University Of Southern Mississippi

BULLETIN 1969 · 1970

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COUNCIL OF GRADUATE SCHOOLS IN THE UNITED STATES

MISSISSIPPI ASSOCIATION OF COLLEGES

University of Southern Mississippi

Bulletin

GENERAL CATALOG ISSUE

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ANNOUNCEMENTS

1969-1970

FALL QUARTER OPENS SEPTEMBER 8, 1969

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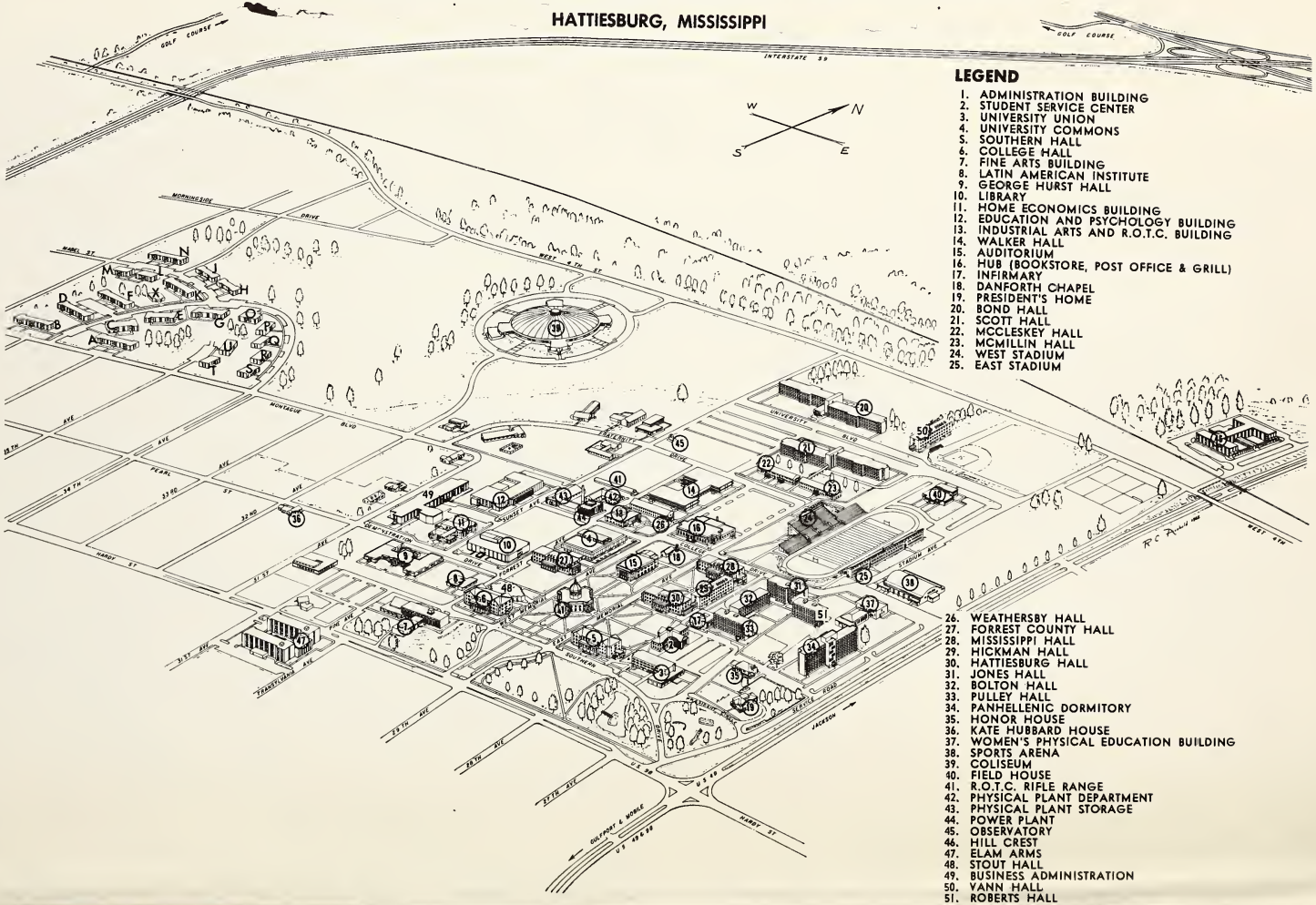
UNIVERSITY OF SOUTHERN MISSISSIPPI

HATTIESBURG, MISSISSIPPI



LEGEND

1. ADMINISTRATION BUILDING
2. STUDENT SERVICE CENTER
3. UNIVERSITY UNION
4. UNIVERSITY COMMONS
5. SOUTHERN HALL
6. COLLEGE HALL
7. FINE ARTS BUILDING
8. LATIN AMERICAN INSTITUTE
9. GEORGE HURST HALL
10. LIBRARY
11. HOME ECONOMICS BUILDING
12. EDUCATION AND PSYCHOLOGY BUILDING
13. INDUSTRIAL ARTS AND R.O.T.C. BUILDING
14. WALKER HALL
15. AUDITORIUM
16. HUB (BOOKSTORE, POST OFFICE & GRILL)
17. INFIRMARY
18. DANFORTH CHAPEL
19. PRESIDENT'S HOME
20. BOND HALL
21. SCOTT HALL
22. MCCLESKEY HALL
23. MCMILLIN HALL
24. WEST STADIUM
25. EAST STADIUM
26. WEATHERSBY HALL
27. FORREST COUNTY HALL
28. MISSISSIPPI HALL
29. HICKMAN HALL
30. HATTIESBURG HALL
31. JONES HALL
32. BOLTON HALL
33. PULLEY HALL
34. PANHELLENIC DORMITORY
35. HONOR HOUSE
36. KATE HUBBARD HOUSE
37. WOMEN'S PHYSICAL EDUCATION BUILDING
38. SPORTS ARENA
39. COLISEUM
40. FIELD HOUSE
41. R.O.T.C. RIFLE RANGE
42. PHYSICAL PLANT DEPARTMENT
43. PHYSICAL PLANT STORAGE
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CALENDAR

UNIVERSITY OF SOUTHERN MISSISSIPPI

GENERAL CALENDAR 1968-1969

FALL QUARTER—1969

Wednesday, August 20, 1969
Deadline for making application for admission

Monday through Saturday, September 1-6
Pre-school rush—fraternities and sororities

Thursday and Friday, September 4 and 5
Various pre-quarter faculty and departmental meetings (faculty on duty)

Sunday, September 7
Dormitories open

Monday and Tuesday, September 8 and 9
8:00 A.M. Orientation for freshman and transfer students

Tuesday, September 9
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Tuesday night classes meet

Wednesday, September 10
Registration by appointment

Thursday, September 11
Continuation of registration by appointment
Last day to register without late registration fee

Friday and Saturday, September 12 and 13
8:00 A.M. Classes meet on schedule (Saturday classes meet on Monday schedule)

Friday, September 12
8:00 A.M. Fee for adding and dropping courses effective

Friday, September 19
Last day for registering or adding Fall Quarter courses

Wednesday, September 24
Last day for dropping courses without academic penalty

Tuesday, September 30
Review of applications to the School of Nursing

Monday, October 20
Beginning of second term of Fall Quarter—only date for adding or registering for second term courses without penalty

Thursday, October 23
English Proficiency Examination

Saturday, October 25
Graduate Record Examination

Saturday, November 8
National Teacher Examinations

Wednesday, Thursday, Friday, Saturday, November 19, 20, 21, 22
Fall Quarter Examinations

1969

JANUARY

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Winter Quarter—1969-70

Tuesday, November 11, 1969
Deadline for making application for admission for the Winter Quarter

Monday, December 1
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Monday night classes meet

Tuesday, December 2
Registration by appointment

Wednesday, December 3
Continuation of registration by appointment.
Last day of registration without late fee

Thursday and Friday, December 4 and 5
8:00 A.M. Classes meet on schedule
Fee for adding and dropping courses effective on Thursday, December 4

Thursday, December 11
Last day for registering or adding Winter Quarter courses

Tuesday, December 16
Review of applications to the School of Nursing

Wednesday, December 17
Last day for dropping courses without academic penalty

Friday, December 19
6:00 P.M. Christmas holidays begin

Monday, January 5, 1970
8:00 A.M. Class work resumed

Saturday, January 17
Graduate Record Examination

Wednesday, January 21
8:00 A.M. Beginning of second term of Winter Quarter—only date for adding or registering for second term courses without penalty

Thursday, January 29
English Proficiency Examination

Saturday, January 31
National Teacher Examination

Wednesday, Thursday, Friday, Saturday, February 25, 26, 27, 28
Winter Quarter Examinations

Saturday, February 28
Last day to file application for May graduation

SPRING QUARTER—1970

Tuesday, February 17, 1970
Deadline for making application for admission for the Spring Quarter

Monday, March 9
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Monday night classes meet

Tuesday, March 10
Registration by appointment

Wednesday, March 11
Continuation of registration by appointment
Last day to register without late fee

Thursday, Friday, Saturday, March 12, 13, 14
8:00 A.M. Classes meet on schedule. (Saturday classes meet on Monday day schedule)
Fee for adding and dropping courses effective on Thursday, March 12

Thursday, March 12
Review of applications to the School of Nursing

Thursday, March 19
Last day for registering or adding Spring Quarter courses

Tuesday, March 24
Last day for dropping courses without academic penalty

Thursday, March 26
6:00 P.M. Easter holidays begin (Thursday night and Saturday morning classes will meet)

Monday, March 30
University of Southern Mississippi Day

Tuesday, March 31
8:00 A.M. Class work resumed after Easter holidays

Saturday, April 4
Last day for dropping first term courses

Monday, April 20
Beginning of second term of Spring Quarter—only date for adding or registering for second term courses

Thursday, April 23
English Proficiency Examination

Saturday, April 25
Graduate Record Examination

Tuesday, May 5
10:00 A.M. Honors Day Convocation

Wednesday, Thursday, Friday, Saturday, May 20, 21, 22, 23
Spring Quarter Examinations

Saturday, May 23
7:30 P.M. Graduation Exercises
Last day to file application for August graduation

SUMMER QUARTER—1970

Tuesday, May 19
Deadline for making application for admission for the Summer Quarter

Monday, June 8
8:00 A.M. Orientation for freshmen and transfer students
5:00 P.M. Registration for night and graduate courses
7:00 P.M. Monday night classes meet

Tuesday, June 9
8:00 A.M. Registration by appointment
Only day to register for Summer Quarter without late fee

Wednesday, June 10
8:00 A.M. Classes meet as scheduled

Friday, June 12
Last day for registering or adding first term courses

Tuesday, June 16
Last day for dropping first term courses

Wednesday, June 17
Last day for registering or adding full quarter courses

Tuesday, June 23
Deadline for making application for admission for the second term of the Summer Quarter
Last day for dropping full quarter courses
Review of applications to the School of Nursing

Friday, July 10
First term examinations

Saturday, July 11
Graduate Record Examination

Monday, July 13
8:00 A.M. Registration for second term of Summer Quarter
Second term courses may be added without change of schedule fee

Wednesday, July 15
Last day for registering or adding second term courses

Thursday, July 16
English Proficiency Examination

Friday, July 17
Last day for dropping second term courses

Saturday, July 18
National Teacher Examination

Wednesday, Thursday, Friday, Saturday, August 12, 13, 14, 15
Summer Quarter Examinations

Saturday, August 15
7:30 P.M. Graduation Exercises

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Faculty Emeriti

Professors

Associate Professors

Assistant Professors

Instructors

Staff

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Of State Institutions of Higher Learning, State of Mississippi

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IRA L. MORGAN, Second Congressional District, Oxford

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RALPH MANUEL SIVERIO, B.S. .....Director of Latin American Institute

JOEL REESE EAKENS, B.S. .....Director of Physical Plant

*FACULTY COMMITTEES, 1968-1969

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ADMISSIONS & CREDITS (Undergraduate): Langdon, J. Allen, Fike, Grantham, Greene, Harkins, Lawhon, Lucas, McQuagge, Mannoni, Weatherford, Weaver.

ADMISSIONS & CREDITS (Graduate): Langdon, J. Allen, Fike, Greene, Lucas, McQuagge, Mannoni, R. Owings, Weaver.

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ATHLETICS: Milam, J. T. Davis, Miller, Smalling, Switzer.

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DELIA WEDDINGTON STEWART, B.S. ..... Director of Dixie Darlings
CELESTAIN JOSEPH PETER TAYLOR, B.S., M.S. ..... Assistant Athletic Director and Head Baseball Coach
HARRY MILTON THOMAS, B.S., M.A. ..... Supervisor of Buildings Maintenance
THAD VANN, B.S. ..... Head Football Coach
RHODA REYNOLDS WILLIAMS ..... Director of Campus Post Office

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GENERAL INFORMATION

Historical

A great educational awakening in the South became apparent near the beginning of the twentieth century. The obvious need for better educated teachers for all the public schools of Mississippi and the organized efforts of the State Teachers Association culminated during the legislative session of 1910 in an enabling act establishing the Mississippi Normal College. Since its opening in the fall of 1912, this institution has existed under four names. In 1924 the name was changed to State Teachers College. In 1940 it became Mississippi Southern College. And on February 27, 1962, the institution was named the University of Southern Mississippi.

The first Board of Trustees made broad and far reaching plans for the new institution. The generosity of Forrest County and Hattiesburg in offering $260,000 in cash, 840 acres of land, and other valuable considerations for the privilege of having the college located in Hattiesburg made it possible for the newly elected president, Joseph Anderson Cook, and the Board to begin the construction of buildings. Before the opening in the fall of 1912, five permanent buildings (all of which have been renovated and are still in use) were completed: the president's home, College Hall, two dormitories—Hattiesburg Hall for women and Forrest County Hall for men—and an industrial cottage for girls (now the Speech and Hearing Science Building).

As the University has grown in numbers, it has also expanded its physical facilities. Construction since World War II totaling more than $18,000,000 has been completed, and there are now more than 60 permanent buildings on the campus. An ambitious program of future physical expansion for the University is in the planning stage for an anticipated student body of 15,000.

The progress of the University cannot be measured in terms of the expansion of physical plant alone. A student body of 230 eager young men and women and a faculty of 18 were present on the day of the opening exercises, September 18, 1912. For the Fall Quarter of 1968 there were over 8,000 students.

The first course of study, prescribed by legislative enactment, consisted of a certificate course and a diploma course. The rapid development of high schools called for a higher course of study at Mississippi Normal College, and in 1922 the legislature authorized the college to grant degrees. By 1929 the College had dropped the diploma and certificate course. In 1929 the College was admitted to the American Association of Teachers Colleges and accredited by the Southern Association of Colleges and Secondary Schools. By World War II the College offered, in addition to its elementary and secondary education degree programs, the Bachelor of Music degree, the Bachelor of Arts degree, pre-medical, pre-legal, and pre-pharmacy programs, and was certified for vocational home economics training. In late 1939, the Hattiesburg Chamber of Commerce adopted as its project the changing of the name from State Teachers College to Mississippi Southern College. In the legislative session of 1940 this purpose was achieved, and the institution became in name what it had partially already become in fact: a multiple-purpose institution. In 1947 the Board of Institutions of Higher Learning in Mississippi authorized the College to give one year of graduate work leading to the degree of Master of Arts in Education. The work of the Graduate School (established in 1952) has been expanded over the past years. At present, the University offers the doctorate in several fields and a master's degree in many of the subject matter fields (see the Graduate Bulletin for specific degrees).

Research has been strengthened at the University of Southern Mississippi in several ways: the number of doctoral degrees has been increased; the University has established its own scholarly journals—the *Southern Quarterly* and *The Southern Journal of Educational Research;* library research materials have been greatly increased; the Computer Center has been equipped to

expedite contracts and faculty research; and the Office of Research and Projects has been established by the University to promote research and to assist faculty members in their research activities. For further information on the University's research program, see the Graduate Bulletin.

The expansion of the academic offerings of the institution necessitated the re-evaluation of the administrative system of the University. This had remained virtually unchanged since 1912. The University is now organized into three colleges, five schools, and one division. These are subdivided into departments, and the addition of new departments, the employment of new faculty members with superior training, and the general development of academic standards have all played a part in making the University of Southern Mississippi the modern multiple-purpose institution it is today.

The men most responsible for the growth of the University have been those individuals entrusted by the Board of Trustees with the administration of the institution as president. The University has had six presidents:

Joseph Anderson Cook, A.B., 1912-1928
Claude Bennett, A.B., A.M., 1928-1933
Jennings Burton George, B.S., M.A., Ph.D., 1933-1945
Robert Cecil Cook, B.S., M.A., Ed.D., 1945-1955
Richard Aubrey McLemore, A.B., M.A., Ph.D., Acting President, January 1 to September 1, 1955
William David McCain, B.S., M.A., Ph.D., 1955-

PURPOSES OF THE UNIVERSITY

The University of Southern Mississippi was founded for the purpose of serving the people of Mississippi. The University offers outstanding courses in liberal arts, education, pre-professional fields, fine arts, and many practical fields of knowledge. The faculty, library, laboratories, classrooms, special clinics, and student welfare services are equal to those in other colleges and universities in the United States.

Although the University is primarily concerned with resident teaching, it reaches, through various extension and resident centers, workshops, and the correspondence courses, citizens in all parts of Mississippi and in various other parts of the world.

The University is proud of the friendly relationship between students and faculty members, and an effort is made to work with students as individuals in their educational, social, and religious development.

The purposes of the University as developed by the administration and the faculty are as follows:

1. To have a highly trained faculty, an imaginative, sympathetic, and understanding administration, an efficient and cooperative staff, loyal and active alumni, adequate equipment, and high academic standards.
2. To educate in the acquiring of knowledge, skills, disciplines, moral and ethical values and humanistic ideals, and in the attaining of a dignified, honest, and alert citizenship.
3. To base education on a sound and thorough understanding of the traditional and liberal areas of human knowledge.
4. To provide, together with counseling and guidance, a well-rounded program of activities for the purpose of developing in each student a well-balanced personality.
5. To provide areas of development in professional and vocational education in accordance with facilities of the University.
6. To develop in students the highest types of social graces.
7. To give each student an understanding of the nature and the fundamental problems of the physical world in which he lives and the moral and intellectual knowledge that will enable him to adjust himself to, or change, the environment in which he lives.

ADMISSION REQUIREMENTS AND PROCEDURES

Requirements for entering freshmen:

1. The applicant must be a graduate of an accredited secondary school, with at least twelve units in college preparatory subjects such as English, foreign language, history and social studies, mathematics, and physical or biological sciences. A score of at least 15 on an oppropriate sub-test of the American College Test may permit a waiver of the minimum requirement of units in a subject area.

2. The applicant must have a composite standard score on the American College Test of at least 15. No other test or tests may be accepted as a substitute for the American College Test without permission of the Director of Admissions.

3. An applicant who has not graduated from high school and who is at least twenty years of age may be admitted on the basis of successful completion of a general educational development test (high school level) if all other admission criteria are met.

Requirements for transfer students:

1. The applicant must be eligible to return, in good standing, to the institution last attended. Applicants who are on academic or disciplinary probation at other institutions, or who have been suspended from another institution, are ineligible for admission to the University of Southern Mississippi.

2. The applicant must present an academic average of at least C (2.00 on the four point grading system) in order to be admitted.

3. The applicant who presents fewer than sixty-four (64) quarter hours of credit for transfer must also present results of the American College Test.

4. Transfer credit is accepted only from institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Association of Colleges.

Special, non-degree-seeking students in the regular University:

In rare instances where a student desires to take a limited amount of course work for a special purpose and not for a degree, the Director of Admissions might grant permission as a special student. Inquiries should be directed to the Director of Admissions.

Limitation on Transfer of Credits:

Not more than ninety-nine (99) quarter hours or sixty-six (66) semester hours may be transferred from a junior college. If a transfer student has earned a total of ninety-nine (99) quarter hours in combined junior and senior college or other credits, no additional credit will be accepted from a junior college. No former students of the University of Southern Mississippi will be allowed to transfer credits earned at a junior college once they have earned a total of ninety-nine (99) quarter hours from all sources. In the 192-quarter-hour minimum requirement for a baccalaureate degree, at least ninety-six (96) hours must be earned in a senior college.

A maximum of ninety-six (96) quarter hours of credit earned through correspondence courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at the University of Southern Mississippi. No more than forty-eight (48) quarter hours earned by correspondence and/or extension may be used.

Limitation on Acceptance of Military Credit:

1. No credit is awarded for the General Educational Development Tests, College Level.

2. No credit is awarded for completion of non-enrolled courses through the United States Armed Forces Institute. Only correspondence courses are accepted through that source.

3. Credit for educational experiences in the armed forces may be awarded on the basis of recommendations of the American Council on Education.

4. A maximum of ninety-six (96) quarter hours from military schools may be used toward a degree, provided the student has no correspondence or extension credit.

Requirements for military personnel: the "Bootstrap" program:

Military personnel on active duty who attend the University on the "Bootstrap" program may complete degree requirements with forty (40) quarter hours of work on the Hattiesburg campus, provided all other degree requirements have been fulfilled. This amount of work may be done in two quarters (six calendar months), but many students attend on nine-month or year programs. Graduate students will, of course, have to attend for at least three quarters since they may transfer only nine (9) quarter hours from another institution.

In order to receive an official evaluation of credits to determine eligibility for "Bootstrap" attendance, the following educational credentials must be forwarded:

1. A properly executed military Form DD 295.

2. Official transcripts bearing the college seal from each institution previously attended.

3. Official transcripts of correspondence courses completed through the United States Armed Forces Institute, Madison, Wisconsin.

4. Official high school transcript.

5. An application for admission should be submitted with the request for evaluation.

All documents and correspondence should be directed to:

The Coordinator of Armed Forces Education
University of Southern Mississippi
Southern Station, Box 6
Hattiesburg, Mississippi 39401

When eligibility for "Bootstrap" attendance has been determined, the student is required to submit five recommendations and a medical examination form before the letter of acceptance can be written.

Requirements for foreign students: regular University programs:

1. Foreign students without previous records at colleges or universities within the United States must meet the requirements outlined above for admission as freshmen with the exception of the American College Test requirement.

2. Foreign students who have already attended colleges or universities within the United States must meet the requirements outlined above for admission as transfer students.

3. All applicants who are not citizens of an English-speaking country must furnish the Director of Admissions with a satisfactory score on the Test of English As a Foreign Language (TOEFL). A minimum score of 500 is required. Information about this test can be obtained from Educational Testing Service, Princeton, New Jersey 08540, USA. Because it normally requires several months to process all necessary documents, foreign students are urged to apply for admission as early as possible. A ten-dollar ($10.00), non-refundable fee must accompany the application for admission of each foreign student.

Requirements for foreign students: The Latin American Institute,

Students interested in attending The Latin American Institute at the University of Southern Mississippi for intensified studies in English should direct all correspondence to:

The Director of the Latin American Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

Correspondence Courses, Resident and Extension Centers:

Students interested in enrolling in correspondence courses or courses at resident and extension centers should write to:

The Dean of the Division of Continuing Education
University of Southern Mississippi
Southern Station, Box 55
Hattiesburg, Mississippi 39401

APPLICATION PROCEDURES

In making application for admission to the regular University the following procedures must be followed:

1. For application materials write to:
   The Director of Admissions
   University of Southern Mississippi
   Southern Station, Box 11
   Hattiesburg, Mississippi 39401

2. Complete the application form, medical examination record, and obtain the recommendation signatures on the form provided. Return these items to the Director of Admissions before the deadline date of the quarter for which you are applying (see Calendar).

3. Furnish your high school principal with the transcript request form in order that he may release your high school transcript to the Director of Admissions. The transcript should not be sent until you have completed your senior year in high school and the final grades are posted. If you are applying for admission as a transfer student you must request the registrar at each college or university previously attended to furnish the Director of Admissions with a transcript of your credits. An official transcript must be submitted from each college or university attended even though all of your credits may be posted to the transcript at the last institution attended.

4. Scores from the American College Test must be received before action can be taken on your application. The ACT information sheet supplied with the application materials furnishes the dates and places of testing and test registration instructions.

5. All credentials must be received by the Director of Admissions showing a postmark no later than midnight of the final day for submitting applications. The application deadline dates are listed in the Calendar at the front of this **Bulletin.**

6. The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character in conformity with the generally accepted standards customarily in effect in the University.

7. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information. The law appears in the "Student Expenses" section of this **Bulletin.**

8. The University of Southern Mississippi does not discriminate on grounds of race, color, or national origin.

ORIENTATION

At the beginning of each quarter, a required orientation program is provided for all new undergraduate students. The Certificate of Admission, which is issued by the Director of Admissions, provides reporting instructions for the first orientation activity. All new students are expected to be prompt in reporting as directed on the Certificate of Admission.

The orientation programs are designed to acquaint students with the administrative officers of the University, the rules and regulations, the physical plant, and the registration procedure. In addition, new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study.

STUDENT COUNSELING

The Student Counseling Center provides many services without charge to the student. Many find that a visit to this office is invaluable in solving problems that arise in university living. Counselors are available to assist the student in choosing a college major, making a vocational choice, solving personal and social problems, overcoming educational deficiencies, and finding solutions to premartital and marital difficulties.

When appropriate, the student and the counselor may select tests to appraise abilities, interests, or personality characteristics. A library of educational and occupational information is maintained. College catalogues from other institutions and many books and pamphlets on educational and personal adjustment are also available.

Counseling is usually initiated by the student. Appointments with a counselor may be made by phone (266-7119), or in person. The Student Counseling Center is located in Room 201 of the Student Services Building and is open from 8:00 A.M. to 12:00 Noon and 1:00 P.M. to 5:00 P.M. on week days.

THE STUDENT COMMUNITY
CAMPUS LIFE AND ACTIVITIES
STUDENT HOUSING

STUDENT HOUSING

Twenty-eight hundred and fifty (2850) spaces in air-conditioned dormitories and one thousand and sixty-nine (1069) spaces in non-air-conditioned dormitories are available for full-time students in nineteen (19) resident halls operated by the University. These include two dormitories just off campus (Elam Arms for men and Hillcrest for women) and a new athletic dormitory which represent the latest and finest developments in dormitory construction and furnishing. These three dormitories incorporate their own dining facilities, and Elam Arms and Hillcrest have heated swimming pools. Jones, Pulley, Roberts, and Wilber Halls are the other air-conditioned dormitories for women, and Scott and Bond Halls are the other air-conditioned dormitories for men. Bolton, Hickman, Mississippi, Hattiesburg, and Weathersby are the air-cooled dormitories for women, and Forrest County, East Stadium, West Stadium, McMillin, and McCleskey are the air-cooled dormitories for men.

When students occupy rooms in residence halls, they obligate themselves to pay for one quarter's room rent for that hall. Refunds for unused portions of room rent will be made only in case of withdrawal from the University. **Dormitory fees are subject to change without notice.** It is the responsibility of the student to determine amount of fees for the dormitory to which he is assigned.

Each resident will be asked to contribute to the Dorm Fund which is used to maintain a TV and to pay for Homecoming decorations, courtesies, etc.

All regularly enrolled undergraduate students under 21 years of age are expected to live in one of the resident halls unless they are married or live with parents. Exceptions may be made for junior and senior males who have parental permission.

Sorority members are expected to live in Wilber Hall, the Panhellenic dormitory. Lodging in the fraternity houses is available to the fraternity members and pledges. Arrangements are made directly with the fraternity.

Pine Haven Apartments, consisting of 296 one, two, and three-bedroom unfurnished units, are available on the campus for married students. **A quarterly housing fee is charged and is payable at the beginning of the quarter as part of the student's registration fees.** A student obligates himself to the full fee for one quarter when he moves in unless he withdraws from the University. A deposit of $15.00 is required at the time of application and is refundable if the request is cancelled thirty (30) days prior to the date for which the application was made.

DORMITORY ASSIGNMENTS

Assignments of students to dormitories will be made when a student has been admitted to the University and after the $15.00 deposit with an application for housing has been received by the Housing Office. Assignment of former and enrolled students will be made at the end of each quarter for the succeeding quarter. Priority of dormitory assignments go to former and enrolled students, new students residing in Mississippi, and out-of-state students in that order. Assignment to a specific dormitory for the Fall Quarter can be guaranteed by paying a reservation fee of $50.00 as an advance payment toward Fall Quarter registration fees.

ROOM ASSIGNMENTS

Room assignments are made for students upon arrival at the assigned dormitory at the beginning of the Fall Quarter, unless room reservations are made. Reservations for rooms may be made by sending a check for $50.00 to the Housing Office prior to August 1 each year. This will be applied to dormitory fees for the Fall Quarter. **Reservation will be made based on the date the fee is received.** Room reservations must be made by August 15 for the Fall Quarter. All students not reserving a room will be assigned to a room as they arrive at the dormitory of assignment. All dormitories will be open on the same day, and those rooms that have been reserved by the above procedure will be held for former students until 5:00 P.M. of the first day of fall registration, and for new students until 5:00 P.M. on the day the dormitories open. Students enrolled in the Spring Quarter may reserve the room in which they are living if they pay the advance fee prior to June 1.

Any person cancelling his reservation prior to August 25 each year will be refunded both the $15.00 deposit and the room fee. **Those failing to cancel until after that date will forfeit both the room fee and the deposit.** Any person failing to claim his room by the time indicated above will forfeit his fee and deposit.

All checks or money orders for housing deposits or advance fee payments should be made out to the University of Southern Mississippi and mailed to:

The Director of Housing
University of Southern Mississippi
Southern Station Box 64
Hattiesburg, Mississippi 39401

Detailed information concerning housing is available in the Housing Handbook which is sent to all new and former students.

FOOD SERVICE

All persons living in residence halls are expected to purchase a meal ticket for one of the food service activities on campus. The University Commons serves well-planned, attractive meals. Special diets may be arranged at a small extra charge. Meal tickets for the Commons are available to all students

in all residence halls except Hillcrest and Elam Arms. Residents of those two dormitories must purchase meal tickets for these dining halls. The meal ticket pays for meals beginning on the first day of registration and continuing until the end of the quarter. No supper meal is served on Sunday evening. The students pay cash for meals during the period of orientation and prior to the first day of registration.

HEALTH AND SAFETY SERVICES

The health and safety record of the University is an enviable one. The health education program, which aims at teaching each person how to assume responsibility for safeguarding his health, is supplemented by the health services which the University offers.

A medical examination blank is given the student at the time he applies for admission to the University. The student should have the medical examination done by his family physician and should return the completed medical examination form to the University along with his application for admission. It is urged that any defects noted in the examination be corrected prior to the beginning of the session in which the student will enroll. The University reserves the right to require a medical examination of any student at any time. No student's admission is complete without a medical examination.

The University Clinic is a well-equipped infirmary in which the ordinary illnesses occuring during the University year, but not during the vacation or recess periods, are cared for by the University physician and nurses. Students with more serious illnesses or injuries, or those in need of immediate surgery, are referred to the regular hospitals in Hattiesburg. Such serious illnesses, injuries, and operations, together with hospital and medical care in private hospitals, can not be the responsibility of the University. The Clinic services are available only to full-time students.

The University physician has regular office hours for free consultation with students. A nursing staff is on duty twenty-four hours a day.

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register their automobiles with the Department of Campus Security. Temporary permits are issued when the automobile is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which outlines Traffic and Parking Regulations may be secured from the Department of Campus Security. Penalties are assessed for violation of regulations and persistent violators may be denied the privilege of operating an automobile on campus. Proof of financial responsibility (minimum insurance 5-10-5) is required to register your automobile.

STUDENT ACTIVITIES

STUDENT GOVERNMENT

The functions of the Student Government Association composed of all registered resident students at the University of Southern Mississippi are "to insure a continuous exchange of ideas and opinions between the students and the administration, to secure valuable training and experience in democratic self-government, to assume the fullest powers and responsibilities of self-government consistent with the constitution and laws of the State of Mississippi and the policies of the president of this institution, to promote the general student welfare, and to protect the herein enumerated rights of students."

There are three branches of student government: the legislative, the executive, and the judicial. The executive officers and the members of the legislative branch, the Student Senate, are elected by direct vote of the students. The

justices of the Student Court are appointed by the President of Student Government subject to approval by the Student Senate.

Many functions of student government are carried out by standing committees, chief of which are the Committee on Social Life, the Elections Committee, and the Executive Committee.

The local government unit in each dormitory is called the Dormitory Council. These councils are coordinated by the Men's Affairs Board and Women's Affairs Board and regulate all matters relating to dormitory life.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of a faculty adviser. CONTEMPORARY, issued twice yearly and sponsored by Lambda Iota Tau, represents the best of student endeavor in short stories, essays, poetry, and art work. The DRAWL, a handbook for students, is published by the Student Government Association. The TELEPHONE DIRECTORY, published by the University Union, a student staff, and an adviser, gives a complete list of telephone numbers and mail addresses of students, faculty, and staff of the University, together with a buying guide of the Hattiesburg and Gulf Coast areas.

RELIGIOUS LIFE

The University of Southern Mississippi is a state supported school and is entirely non-sectarian. Religious life is encouraged, and every effort is made to cooperate with local churches. The Student Christian Federation unifies the activities of all religious groups on the campus. Its executive council is composed of two elected representatives of the student body, who serve as chairman and vice chairman, five appointed officers, and a representative from each active religious organization. The Student Christian Federation seeks to provide channels for worship and religious development. It sponsors the all-campus Religious Emphasis Programs, a Thanksgiving Service, an Easter Sunrise Service, and an annual Christmas Tree Lighting.

The Wesley Foundation, the Baptist Student Union, the Westminster Fellowship, the Newman Club, the Canterbury Club, the Martin Luther Fellowship, and the Christian Church Group are among the organized and active student denominational groups.

The Danforth Chapel is a place of prayer and meditation for all.

ORGANIZATIONS

General Honor Societies—There are five general honor societies on the campus. A general honor society is an association that receives into membership individuals who have achieved high scholarship and who fulfill such additional requirements of distinction in some broad field of education and culture or in general leadership as the society has established. Phi Kappa Phi is a national honor society composed of men and women who have achieved superior scholarship. Membership in Phi Kappa Phi is the highest recognition for scholarship accorded by the University. Omicron Delta Kappa is a national honorary leadership society, membership in which is the highest recognition accorded men students of the University. Phi Delta Rho is a local honorary leadership society, membership in which is the highest recognition accorded women students of the University. Alpha Lambda Delta, for women, and Phi Eta Sigma, for men, are national honor societies which aim to encourage and reward high scholastic attainment among freshman students.

Academic Honor Societies—Other national honorary or professional organizations having chapters on the campus include Alpha Epsilon Alpha (accounting), Alpha Epsilon Delta (pre-medical), Alpha Psi Omega (dramatics), American Chemical Society Student Affiliate, Beta Beta Beta (biology), Delta

Sigma Phi (business), Home Economics Club, Kappa Delta Pi (education), Kappa Kappa Psi (band), Kappa Mu Epsilon (mathematics), Kappa Omicron Phi (home economics), Lambda Iota Tau (literature), Mu Phi Epsilon (music), Phi Alpha Theta (history), Phi Delta Kappa (education), Phi Mu Alpha Sinfonia (music), Pi Gamma Mu (social studies), Pi Delta Phi (French), Pi Kappa Delta (forensics), Pi Omega Pi (business education), Pi Sigma Epsilon (marketing), Sigma Alpha Eta (speech therapy), Sigma Delta Pi (Spanish), Sociology Club, Tau Beta Sigma (band), Psi Chi (psychology).

Other Honorary and Academic Organizations—Other student organizations include Alpha Phi Omega, Circle K Club, Collegiate Civinettes, Collegiate Civitan Club, Le Cercle Francais, Druids Society, "M" Club, Physics Club, Pi Tau Chi (religious honorary), Scabbard and Blade Society, Student National Education Association, and Yellowjackets.

Social Fraternities—Eight social fraternities hold membership in the Interfraternity Council of the University. They are Alpha Tau Omega, Kappa Alpha, Kappa Sigma, Pi Kappa Alpha, Phi Kappa Tau, Sigma Alpha Epsilon, Sigma Nu, and Sigma Phi Epsilon.

Social Sororities — Eight social sororities hold membership in the Panhellenic Council of the University. They are Alpha Sigma Alpha, Chi Omega, Delta Delta Delta, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, and Sigma Sigma Sigma.

Dramatic, Musical, and Other Performing Groups—The University's preeminence in the Fine Arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE SOUTHERN PLAYERS, open to all students of the University, is the campus dramatic organization sponsored by the Department of Theatre.

THE CHORAL UNION, composed of students from the entire University, meets one evening a week to perform the great works in choral literature, both sacred and secular.

THE OPERA WORKSHOP, open to all students of the University, performs many works of musico-dramatic interest during the year.

THE UNIVERSITY SINGERS, auditions for which are held during the first week of each quarter, give numerous concerts and tours. There is usually a waiting list of applicants for membership. Within the UNIVERSITY SINGERS are a number of smaller ensembles, such as the Madrigal Singers and various male and female groups.

The University's bands and orchestras have an outstanding record of service to the University and the State.

THE SYMPHONIC BAND, which gives several formal concerts each year of the finest and most difficult wind literature, is comprised of selected student musicians.

THE CONCERT BAND, open to all University students, plays a concert each Spring and serves as a laboratory band for new publications and for student composers and conductors.

THE MARCHING BAND, known as "THE PRIDE OF MISSISSIPPI," presents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, open by audition to the best girl dancers of the University, is well-known nationally through its many televised appearances with the Marching Band.

THE WIND ENSEMBLES perform serious programs of the best original music for smaller groups.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLE utilizes programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BAND is a full-sized modern jazz ensemble which plays the latest arrangements of music in the big band contemporary idiom.

THE UNIVERSITY BAGPIPE BAND is a marching group of bagpipers and drummers who provide unique embellishment to programs both on and off campus.

THE ROTC BAND, open by audition to freshman and sophomore ROTC students, provides music for ROTC functions.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University, gives a number of concerts each year in addition to assisting with oratorios and operas.

Scholarships in all these musical groups are available to talented students. Auditions may be arranged through the Dean of the School of Fine Arts.

THE DEBATE SQUAD, recognized as one of the nation's best, is open to all students.

WMSU, the University's own radio station, is an affiliate of NBC. The award-winning station encourages participation by any interested student regardless of major.

ATHLETICS

The University of Southern Mississippi is a member of the National Collegiate Athletic Association.

Intercollegiate sports are football, basketball, baseball, tennis, and golf.

Seasonal intramural sports under the supervision of personnel from the Department of Health, Physical Education, and Recreation give every student an opportunity to take part in competition. Among the sports included on the program are tennis, golf, water sports, touch football, basketball, softball, table tennis, badminton, volleyball, horseshoes, handball, track, and swimming.

The University golf course, tennis courts, swimming pool, playgrounds, and gymnasium facilities are available to all students.

R. C. COOK UNIVERSITY UNION

The center of student activities at the University of Southern Mississippi is the **R. C. Cook University Union**, which houses many of the student organization offices as well as offices of the Alumni Association. Students use the facilities of the University Union Building for games, music, enjoyment, social and religious activities, and other cultural and recreational purposes.

Operating from the Union is the University Information Center, which serves as a locating service for students twenty-four hours a day. The Union Building is open from 7:30 A.M. to 10:30 P.M. daily.

The Union provides for University students a complete program of activities planned and promoted through the University Activities Council.

The **University Activities Council** is made up of representatives from each campus organization. UAC activities include bi-weekly movies, dances, parties, an annual Halloween Carnival, Welcome Dance, Charity Month, Campus Pac Distribution, and the sponsorship of "big name" entertainment.

The University Union, with its air-conditioned facilities, also serves as a conference and workshop center for the campus during the Summer Quarter.

STUDENT EXPENSES

A primary objective of the University is to hold to a minimum the expense of its students. Changes in fees are made, whenever possible, to benefit the students. Increases are made only when required for support of the institution or improvement of the activity program of the students.

Announcements concerning fees and expenses are subject to change without notice and may not be regarded as binding obligations of the University.

Fees and expenses are in the form of incidental fees, room and board, and special fees.

INCIDENTAL FEE. This fee is used for general support of the University and consists of charges for matriculation, library, textbook service, athletic activities, health service, University Union, University newspaper, laboratory, concert series, maintenance, etc. Athletic activities health service, and newspaper are not included for part-time students.

Full-time students for purposes of assessing fees are as follows: Graduate School, nine (9) or more quarter hours; all other schools and colleges, twelve (12) or more quarter hours. Students enrolled for more than eighteen (18) hours will be assessed the applicable fee for each additional quarter hour. (Students training under Veterans Administration programs on the undergraduate level are required by the Veterans Administration to carry a minimum of fourteen (14) quarter hours for the entire quarter to receive full subsistence.)

Textbooks, except for textbooks in foreign language courses and certain other courses, are provided on a loan basis to all undergraduate students.

Clinical and hospital services covered by the health service charge included in the incidental fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice.

ROOM AND BOARD. The room and board fees are assessed for all students living in University-controlled dormitories and those students living in fraternity houses. All students rooming in dormitories or fraternity houses are required to take their meals in the University Commons.

A room deposit of $15.00 is payable in advance for the reservation of space in the dormitories. This amount is held as a breakage deposit until a student withdraws from the dormitory.

A room may be reserved in a specific dormitory by payment of a $50.00 fee before August 1 each year. This amount will be applied to Fall Quarter fees.

A student accepting dormitory space will be financially obligated to pay the full quarter's room rent. A refund of the dormitory fee will be made only upon withdrawal from the University.

OTHER FEE INFORMATION. Fees of all students are due and payable at time of registration; however, fees of full-time students may be paid one-half upon entrance and the balance one week prior to the beginning of the second half of the quarter.

Transcripts of credits will not be issued for students whose accounts are delinquent.

Students who are permitted to register for correspondence courses in residence will be charged a fee of $8.00 per quarter hour.

A fee of $2.00 is assessed each quarter to all full-time students for operation of the University Union. A $1.00 fee is added to the incidental fee assessment of part-time students.

Courses requiring special fees and music fees are shown in the Special Fee listing (Table II).

A fee of $6.50 for the **Southerner** (University annual) is payable on entrance the Fall Quarter by all full-time undergraduate students.

NON-RESIDENT STATUS. The Legislature of the State of Mississippi has passed the following legislation concerning non-resident status:

The board of trustees of each junior college in this state, the board of trustees of state institutions of higher learning, and the administrative authorities of each institution governed by said boards, in ascertaining and determining the legal residence of and tuition to be charged any student applying for admission to such institutions, shall be governed by the following definitions and conditions:

Legal residence of a minor. The residence of a person less than twenty-one (21) years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his person, duly appointed by a proper court of Mississippi, in which case his residence becomes that of the guardian.

Legal residence of an adult. The residence of an adult is that place where he is domiciled, that is, the place where he actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent.

Removal of parents from Mississippi. If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a non-resident student.

Twelve months of residence required. No student may be admitted to any institution of higher learning as a resident of Mississippi unless his residence, as defined hereinabove, has been in the State of Mississippi for a continuous period of at least twelve (12) months immediately preceding his admission.

Residence in an educational institution not counted. A person who has entered the State of Mississippi from another state and enters an educational institution within twelve (12) months is considered a non-resident. For this reason, any period of time when such a person is enrolled in any educational institution in Mississippi may not be counted as any part of the twelve (12) months prerequisite to his admission to an institution of higher learning as a resident student. Even though he may have been legally adopted by a resident of Mississippi, or may have been a qualified voter, or a landowner, or may otherwise have sought to establish legal residence, such a person will still be considered as being a non-resident of Mississippi if he has entered this state for the purpose of enrolling in an educational institution.

Residence status of a married woman. A married woman may claim the residence status of her husband, or she may claim independent residence status under the same regulations, set forth above, as any other adult.

Children of parents who are employed by institutions of higher learning. Children of parents who are members of the faculty or staff of any institution under the jurisdiction of the board of trustees may be classified as residents during the time that their parents are such faculty or staff members without regard to the residence requirement of twelve (12) months, for the purpose of attendance at the institution where their parents are faculty or staff members.

Aliens. All aliens are classified as non-residents.

REFUND POLICY. A student who officially withdraws after enrollment may obtain a refund in accordance with the following:

a. A refund of 90% of incidental and special fees paid will be made to a student who withdraws within eight (8) days following the last calendar day of registration.

b. A full-time student who withdraws for any reason prior to midterm of any quarter but following eight (8) days after the last calendar day of registration will be refunded 50% of the incidental and special fees.

c. A full-time student who withdraws after midterm of any quarter will not be entitled to a refund of fees.

d. A part-time student will not be entitled to a refund of fees after eight (8) days from the last calendar day of registration.

e. A student enrolled for evening classes will receive no refund unless withdrawal is made prior to the second meeting of the class.

f. No adjustment of incidental and special fees will be made when courses are dropped after eight (8) days from date of registration.

g. Room and board fees are refunded on the basis of full weeks remaining in the quarter.

TABLE I

EXPENSES EACH QUARTER

(All fees are subject to change without notice. See Page 52.)

FULL-TIME STUDENTS

Fixed Fees

Incidental fee	$138.00
*Room rent—air-conditoned dormitory	100.00
Room rent—other dormitory	70.00
*Board	90.00

Other Fees When Applicable

Non-resident fee	$200.00
The Southerner (Fall Quarter only)	6.50
Post Office box, per quarter	1.00

PART-TIME STUDENTS—Each quarter hour

Incidental fee graduate student	$ 16.00
Incidental fee undergraduate student	12.00
Non-resident fee:	
Graduate student	23.00
Undergraduate student	17.00

*Note: Hillcrest (Room and Board)	$248.00
Elam Arms (Room and Board	248.00
Vann Hall (Room and Board	210.00

TABLE II
SPECIAL FEES AND EXPENSES

Departmental Fees:

Elementary Education 480, 482, each	$ 20.00 per course
Home Economics Education 481, 482, 485, 486, each	10.00 per course
Special Education 480, 481, each	20.00 per course
Library Science 489	10.00 per course
Secondary Education 481A, B, G, H, I, J, K, L, M, P, R, S, T, each	20.00 per course

Music Fees—Private Lessons for other than full-time music majors:

1 quarter hour per instructor	$ 19.00 per quarter
2 quarter hours per instructor	36.00 per quarter
3 quarter hours per instructor	53.00 per quarter
Each additional supervised lesson	17.00 per quarter
Orchestral or Band Instrument rental*	6.00 per quarter

Summer Conferences and Workshops:**
- Administrators Workshop
- Aviation Education Workshop
- Library Science Workshop
- Reading Conference
- School Lunch Managers Workshop
- Summer Music Camp

Reading Center, Individual Remedial Instructions:

Special Students (Non-credit)	$ 20.00 per 4-week period
Complete Reading Diagnosis	20.00 with written report
Re-evaluation	5.00

Speech and Hearing Center Services:

Audiometric Pure Tone Test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for University students per quarter	5.00

Examinations and Graduation:

Challenge Examination	$10.00	
Revalidation Examination	5.00	when applicable
Special Examination	3.00	when applicable
Graduation fee—Bachelor***	12.00	with application for degree
Certificate	2.50	when applicable

Continuing Education:

Resident Center		
Undergraduate Course	$12.00	per quarter hour
Graduate Course	16.00	per quarter hour
Resident Center—laboratory fee	6.00	per course
Resident Center—typing fee	5.00	per course
Extension Center		
Undergraduate course	10.00	per quarter hour
Graduate course	16.00	per quarter hour
Correspondence courses	8.00	per quarter hour
High school correspondence courses	20.00	per half unit

*This fee applies to music majors and minors as well as to other students.

**The fees for the above conferences and workshops will be listed in the brochures published for each conference. The conference and workshop fees do not include the assessment for incidental fee where University credit is desired, nor do they include the conference charge for room and board

***Requests for refund of this fee will be based on circumstances existing at the time of request in accordance with policy on file.

Registration and Records:

American College Test	$ 7.00 when applicable
Change of Schedule	5.00 when applicable
Audit Fee (Non-credit)*	
Undergraduate Course	6.00 per quarter hour
Graduate Course	8.00 per quarter hour
Late Registration	$10.00 full load
	5.00 partial load
Application Fee for Foreign Students (Non-refundable)	10.00 with application
Memorandum of credits	.50 when applicable
Transcript of Credits	1.00 when applicable
ROTC deposit (Unused portion refundable upon proper clearance)	$10.00 upon entrance Fall Quarter
Science Breakage	5.00 per card

A card is purchased in the Business Office before attending the first laboratory meeting. Any balance on card upon completion of course is refundable.

*An audit fee is charged when the student does not wish to receive credit in a course. Courses such as physical education activity courses, typing, shorthand, German 73, French 73, and English 23 will be assessed at the full rate per quarter hour ($12.00 undergraduate, $16.00 graduate) even though the student registers as an auditor.

STUDENT AID AND SCHOLARSHIPS

The following information is a summary of the student aid and scholarship program. For further information and application forms, write to:

Director of Student Aid and Scholarships
University of Southern Mississippi
Southern Station, Box 101
Hattiesburg, Mississippi 39401

APPLICATIONS. All applicants for student aid of any type must have been accepted for admission at the University before assistance can be granted. This does not preclude the submission of an application for assistance at the time application for admission to the University is made. Applications should be made before June 1st with one exception. Entering freshmen must apply by May 1.

PARENTS' CONFIDENTIAL STATEMENT REQUIRED

The University of Southern Mississippi participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The CSS assists colleges and universities and other agencies in determining the student's need for financial assistance. All students seeking financial assistance are required to submit a copy of the Parents' Confidential Statement (PCS) form to the College Scholarship Service, designating The University of Southern Mississippi as one of the recipients, by April 15. The PCS form may be obtained from a secondary school, or the College Scholarship Service, P. O. Box 176, Princeton, New Jersey 08540, or P. O. Box 1025, Berkeley, California 94704.

WORK SCHOLARSHIPS. Work scholarships vary in value with the type of work assigned. Students work from ten to fifteen hours per week. Awards are made during the month of July.

WORK IN TOWN. Work in town is available to many students. Students making application are referred as requests are received from employers.

MERIT SCHOLARSHIPS. Merit Scholarships, based on scholarly ability, are available in all fields of study. They range in value from $100.00 to $500.00 for the nine months. Students who have demonstrated outstanding ability in

any particular field of study are encouraged to apply for one of these scholarships.

REGIONAL MERIT SCHOLARSHIPS. Regional Merit (out-of-state) Scholarships are awarded to students of exceptional ability whose residence is outside the State of Mississippi. These scholarships are valued up to $600.00 for the nine months.

SERVICE SCHOLARSHIPS. Service Scholarships are based on skill and ability. These scholarships are available in band and music as well as in athletics and range in vlue from $100.00 to over $500.00 for the nine months.

LOAN PROGRAMS. Many loan programs, both short-term and long-term, are available to the student who desires to make use of them. The University administers several long-term funds such as the National Defense Student Loan Fund and the United Student Aid Funds Loan Program. Information concerning privately administered programs may be obtained by writing the Director of Student Aid and Scholarships.

COLLEGE WORK-STUDY PROGRAM

Title I, Part C, of the Economic Opportunity Act of 1964 initiated the College Work-Study Program to stimulate and promote the part-time employment of students in institutions of higher education who are from low-income families or are in need of the earnings from such employment to pursue courses of study at such institutions. Primary consideration is given to those students from low-income families. Additional information may be obtained by writing the Director of Student Aid and Scholarships.

EDUCATIONAL OPPORTUNITY GRANTS

Educational Opportunity Grants were authorized by the Higher Education Act of 1965. An institution may award an Educational Opportunity Grant to a student only if it determines that such student: (1) is a national of the United States for other than a temporary purpose and intends to become a permanent resident; (2) has been accepted for enrollment as a full-time undergraduate student, or is in good standing and in full-time attendance as an undergraduate student; (3) shows evidence of academic or creative promise and capability of maintaining good standing in his course of study; (4) is of exceptional financial need; and (5) would not be financially able to attend the institution without an Educational Opportunity Grant. A student who attends school part-time is not eligible for a grant. A grant **may not** be given to any student for study beyond the **first four** years of full-time study.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a Mississippi corporation whose sole purpose is to receive and manage gifts, contributions, and donations to the University of Southern Mississippi for educational purposes. It provides a centralized receptacle for receiving gifts of any nature to the University, handling these in a manner prescribed by the donor or in accordance with good business judgment, and making the gifts work for the growth and development of **Southern.** The Foundation is managed by a Board of Directors composed of former students and friends of the University.

The Foundation Charter was so drawn that assistance could be given to any area of development at **Southern** so long as it is used for educational purposes. Some of the long-range plans include: sponsoring research, sponsoring faculty chairs, supplementing faculty salaries, aiding the library, providing special equipment, making possible achievement awards for faculty and students, providing fellowships and scholarships, and contributing to the building of the physical plant.

During the early years of the Foundation, emphasis will be placed on securing scholarship funds. This is considered to be one of the greatest needs at the present time. The Foundation solicits the funds, but the awards are made by the University Scholarship Committee.

SCHOLARSHIPS AVAILABLE THROUGH THE FOUNDATION

Kathy Brown—Sponsored by Pen and Sword, certain priorities.

Clyde C. Bryan—Music majors, sophomore or advance standing, good academic average, Baptist, financial need. Sponsored by Mr. and Mrs. J. D. Thomas of Hattiesburg. Two awarded.

Frank A. Cain Memorial—Capable and deserving student who has participated in student government.

Century Club—Scholarship for athletics.

Coast Federal Savings and Loan Association, Gulfport—Gulfport area student, Business.

Commercial National Bank and Trust Company, Laurel—Capable and deserving Jones County student.

Betty Dukes Craft—Sponsored by Forrest County Home Economics Alumnae and James K. Dukes, brother of Betty Dukes Craft. Outstanding student in Home Economics.

Distinguished Professor Award—Presented in the name of the Distinguished Professor of the Year in the same discipline.

Jeanne Dixon—Recipient must be a Marketing major, have a good academic average, participate in Marketing activities, and have economic need.

W. R. Fairchild Construction Company—Capable and deserving students from Covington or Forrest County.

Faulkner Concrete Pipe Company, Hattiesburg—Merit and need.

First Federal Savings and Loan Association, Hattiesburg—Economics or Finance.

First National Bank, Hattiesburg—Best interest of the University with preference to surrounding area students. Economic need a factor. Ten awarded.

First National Bank of Laurel—Awarded to a resident of Covington, Jasper, Jones, Perry, Smith, or Wayne County.

Mr. and Mrs. L. Y. Foote Endowment—Best interest of the University with economic need a factor.

Forrest County Alumni Chapter—Capable and deserving Forrest County students.

Francis O. Fox—Need and promise of success with preference to Jones County students.

Bertha M. Fritzsche Graduate Fellowship—Outstanding student in Home Economics.

General Merit—Any student is eligible on merit basis; several given.

Gray-Mar Farms—Funds contributed are used to match other funds to provide scholarship loans for students.

Bernard Reed Green—Sponsored by A. K. McInnis, Jr., in honor of Coach Reed Green.

Lester Haddox—Worthy and promising student from Marion, Amite, Lincoln, Pike, or Walthall County.

Harrison County Alumni Chapter—Capable and deserving Harrison County students.

Hattiesburg Federal Savings and Loan Association—Capable and deserving student; given in memory of deceased directors.

Hercules Employees—Capable and needy student.

W. B. Harlan Memorial—Economic need, male student in Business Administration.

Alma Hickman—Capable and needy student.

1957 Spring Class Heritage—Capable and needy student.

1958 Class Endowment—Capable and needy student.

1959 Class Endowment—Capable and needy student.

1960 Class Endowment—Capable and needy student.

1961 Class Endowment—Capable and needy student.

1962 Class Endowment—Capable and needy student.

Scholarship Fund of the Sixties—Capable and needy student.

Jones County Alumni Chapter—Capable and deserving Jones County students; preference given to junior or senior students.

Mr. and Mrs. J. D. Lewis Endowment—Scholarship to be awarded on the basis of citizenship record, economic need, academic work, and Mississippian.

Lamar County Alumni Chapter—Capable and needy Lamar County student.

Marion County Alumni Chapter—Honoring Doyle M. Coats and Miss Chrystelle Ford; to be presented to an outstanding Marion County student.

Sam Miller—Capable and deserving student.

Mississippi Association of Insurance Agents. To be awarded to a student in the School of Business Administration.

Mississippi Broadcasters Association—Radio-T.V. major, resident of Mississippi, reasonable academic standing, financial need.

Movie Star Corporation—Capable and deserving student; preference given to children of employees.

William Walter Munson Memorial—Worthy boys and girls who are enrolled as regular students.

Music Merit—Music majors on merit basis.

"M" Club Alumni Loan—Loans for capable and needy children of former letter winners at Southern.

Paint Research Institute—Graduate fellowship in Chemistry.

Pan American Tung Research and Development League—Graduate fellowships in Chemistry.

Peck Oil Company—Capable and deserving Forrest County student.

Pi Omega Pi—Outstanding student in Business Education.

M. M. Roberts—Capable and deserving undergraduate student who is a Mississippian.

W. W. Stout Memorial—Creative student majoring in English.

B. O. Van Hook Golf Scholarship—Scholarships for outstanding members of the golf team.

Paul Waldoff Memorial—Mississippian, economic need, Mathematics major.

Washington County Alumni Chapter—Capable and deserving students from Washington County.

Winn-Dixie Stores Foundation—Junior or senior, residence, and other requirements.

Ivah O. Wilber Panhellenic Scholarship—To be awarded annually to a sorority woman upon recommendation of the Dean of Women, the Panhellenic Adviser, and the Panhellenic Council in memory of the former Dean of Women and Panhellenic Adviser.

Yellowjackets—USM—Entering freshmen, academic promise; five offered.

EMPLOYMENT OPPORTUNITIES

A number of students are employed by the University in secretarial and clerical work and as laboratory assistants, library assistants, and assistants to the dormitory hostesses. The purpose of this employment is primarily to assist the student in earning a small part of his school expenses. Inquiries concerning these work assignments should be addressed to the Director of Student Aid

and Scholarships. The University also maintains a service to assist students in finding part-time employment in and near Hattiesburg. Students should remember, however, that their first business is to benefit by their University programs. Usually a student who spends several hours a day earning money must reduce his study load. Students should not expect to be able to earn a considerable part of their expenses and at the same time carry a full academic load. No student should plan a program that allows fewer than thirty hours a week for study.

LIBRARY

The Joseph Anderson Cook Memorial Library is a modern, two-story building completely fire-proof and air-conditioned. Of modular construction, it is arranged in four large divisional areas, each division containing its own current and bound periodicals, classified books, and other materials in the subject field. Book stacks to accommodate 400,000 volumes and reading areas for 1,400 students are intermingled throughout the Library, with the book stacks open to all. Special features are the study carrels, exhibit areas, a microreading area, typing room, bibliography room, and a rare book room. The Library Science Department is housed on the second floor of the building, as are the rooms containing Mississippiana and archives. The Library was occupied at the beginning of the Fall Quarter of 1960.

The Library is open from Monday through Friday from 7:45 A.M. to 10:30 P.M., Saturday from 8:00 A.M. to 6:00 P.M., and Sunday from 2:00 P.M. to 10:00 P.M.

THE SAM WOODS COLLECTION

The Sam Woods Collection, a gift of the late Sam E. Woods, alumnus of the University and a former consul general of Switzerland, is comprised of paintings, large Flemish tapestries, antique furniture, and rare books. In the collection are 230 paintings, including the *Holy Family* by Amigoni from the Stennis Collection, a Murrillo copy of the *Holy Family* from the Prado Gallery, and many Rembrandt and Durer etchings and woodcuts, as well as oils and water colors by contemporary German artists. They have been hung in the president's home, the Library, and other main buildings throughout the campus. This collection of paintings is probably the largest in the state. Much of the furniture is of the Renaissance period.

The very valuable collection of more than 1100 early printed and fine press books includes several rare Bibles which have hand-carved bindings and which are illustrated by Durer and other artists. The collection also includes several atlases of the sixteenth and seventeenth centuries. Of special interest are approximately fifty beautifully illuminated pages from incunabula, as well as globes made before 1800 and maps of America and other countries made before 1700. This collection is housed in the Sam Woods Room in the Library.

CHILDREN'S LITERATURE COLLECTION

In 1966 Dr. Lena de Grummond began the establishment of a special collection of children's literature in the University Library. The collection can be divided into two parts (1) children's books published before 1900, and (2) the acquisition of manuscripts, original illustrations, sketches, and dummy books that have been used in the writing, illustrating, and publishing of contemporary children's books. Over five hundred persons, including many of the best known writers and illustrators of children's books of today, have contributed their original materials to the collection. It has developed so rapidly that the collection already contains over 4,000 drawings and illustrations, 2257 photographs, 989 manuscripts, and 137 dummy books. Through manuscripts with their frequent revisions and the alterations between rough sketches and the completed illustrations there is a record of the creative process for some of the writers and illustrators of children's books.

THE LATIN AMERICAN INSTITUTE

The Latin American Institute, which has operated successfully under University sponsorship since its founding here in 1947 by the late Colonel Melvin G. Nydegger, is a vital part of the University. Each quarter, the Institute offers a ten-week orientation course to non-English-speaking people, with classes in the culture and customs of the United States and in the English language, including conversation, grammar, and composition. These courses are attended by business and professional people and students from Latin America and other countries who are accepted as international guests of the University.

Students enrolled in The Latin American Institute receive over 300 hours of instruction during the ten-week period, using the latest teaching methods and materials including teaching machines and programmed texts, tapes, audio-visual aids, etc.

Both the Michigan Language Proficiency Test and the Educational Testing Service's Test of English as a Foreign Language are offered through the Institute at specified dates during the year. Any international student may take these examinations by applying in advance to the Institute or respectively to the University of Michigan or to the Educational Testing Service. There is a slight fee each time the examination is taken, but the students enrolled in the Institute may take the Michigan Language Proficiency Test free for the first time.

In cooperation with the Cordell Hull Foundation for International Education, the Institute conducts an annual pre-school seminar for new exchange teachers. The purpose of the workshop is to provide foreign teachers the opportunity to receive instruction on new concepts of language learning.

In addition to lectures, films, and discussions on new methods, the participants observe and practice-teach special demonstration classes. They also receive instruction on language laboratory procedures and techniques and spend several hours in the actual operation and use of a laboratory.

The Institute also conducts a summer school program for North American teachers and advanced language students in cooperation with the Instituto Politécnico Nacional of Mexico City. Participants live in La Casa del Maestro, a residence hall for Mexican teachers, while they attend intensive courses in Spanish designed to up-grade their fluency in the spoken language.

Students interested in Inter-American affairs will find many opportunities for profitable study at the University of Southern Mississippi, with the added advantage of the chance to mix with Latin American students and practice speaking Spanish or Portugese. For further information, write to:

The Director
Latin American Institute
University of Southern Mississippi
Southern Station, Box 65
Hattiesburg, Mississippi 39401

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association has been in existence since 1917. During the early years its chief function was related to placement service. Beginning with the session of 1945-46, the organization experienced a rebirth. Recognizing the fact that a working alumni association is vital to the development of the institution, the Executive Committee began the organization of alumni groups in the various counties of the state. On July 1, 1953, a full-time executive secretary was employed.

The Association publishes the ALUMNI NEWS magazine four times a year. Active members of the Association receive all issues while four issues of SOUTHERN NEWS AND VIEWS are mailed to all persons on record in the Alumni Office. Graduates and former students are urged to become active members of the organization and help support the program of activities that is designed to assist the University in its growth and development.

The Alumni Association sponsored the drive to raise the funds necessary for the construction of the R. C. Cook University Union Building. These funds were secured from alumni, faculty, students, friends, and the people of Forrest County and the state.

Two meetings of the general association are held each fiscal year, the first at the annual homecoming in the fall and the second at the Mississippi Education convention in Jackson.

At the 1954 Homecoming meeting, the association voted to observe March 30 as University of Southern Mississippi Day. Former students of the University are urged to get together on this date when two or more reside in the same area. Organized chapters elect officers at this meeting. March 30 was selected from the important dates in the history of the school because it was on this day in 1910 that the Mississippi Legislature enacted legislation establishing the institution.

The Alumni Association helped set up the University of Southern Mississippi Foundation which is the receptacle for all gifts to **Southern,** which gifts are, in turn, channeled into scholarships for the students.

PLACEMENT BUREAU

The function of the Placement Bureau is dual in nature. It provides assistance to graduating seniors, graduate students, and former students in obtaining suitable employment, and to employers in recruiting qualified employees. The services are provided at no cost to the student or to the employer.

Throughout the year, current listings of employment opportunities, both in state and out of state, in teaching, business, industry, and government are made available to the students. Also, on-campus interviews are scheduled with personnel representatives from schools, businesses, industries, and governmental agencies. Students registered with the Bureau are notified of these interview schedules, and all who are interested are given the opportunity for individual interviews.

All seniors should register with the Placement Bureau and establish a confidential placement credential folder during the last quarter of their junior year, or the first quarter of their senior year. These placement credentials are very valuable to on-campus recruiters and to those who telephone or write for information about prospective employees. After graduation and/or when the registrant has found suitable employment, the placement file is stored, and may be quite helpful in later years, if a registrant wishes to change employment or enter graduate school.

The Director of Placement is directly responsible to the Office of the President of the University in the administration of the Bureau.

ACADEMIC ORGANIZATION AND REQUIREMENTS

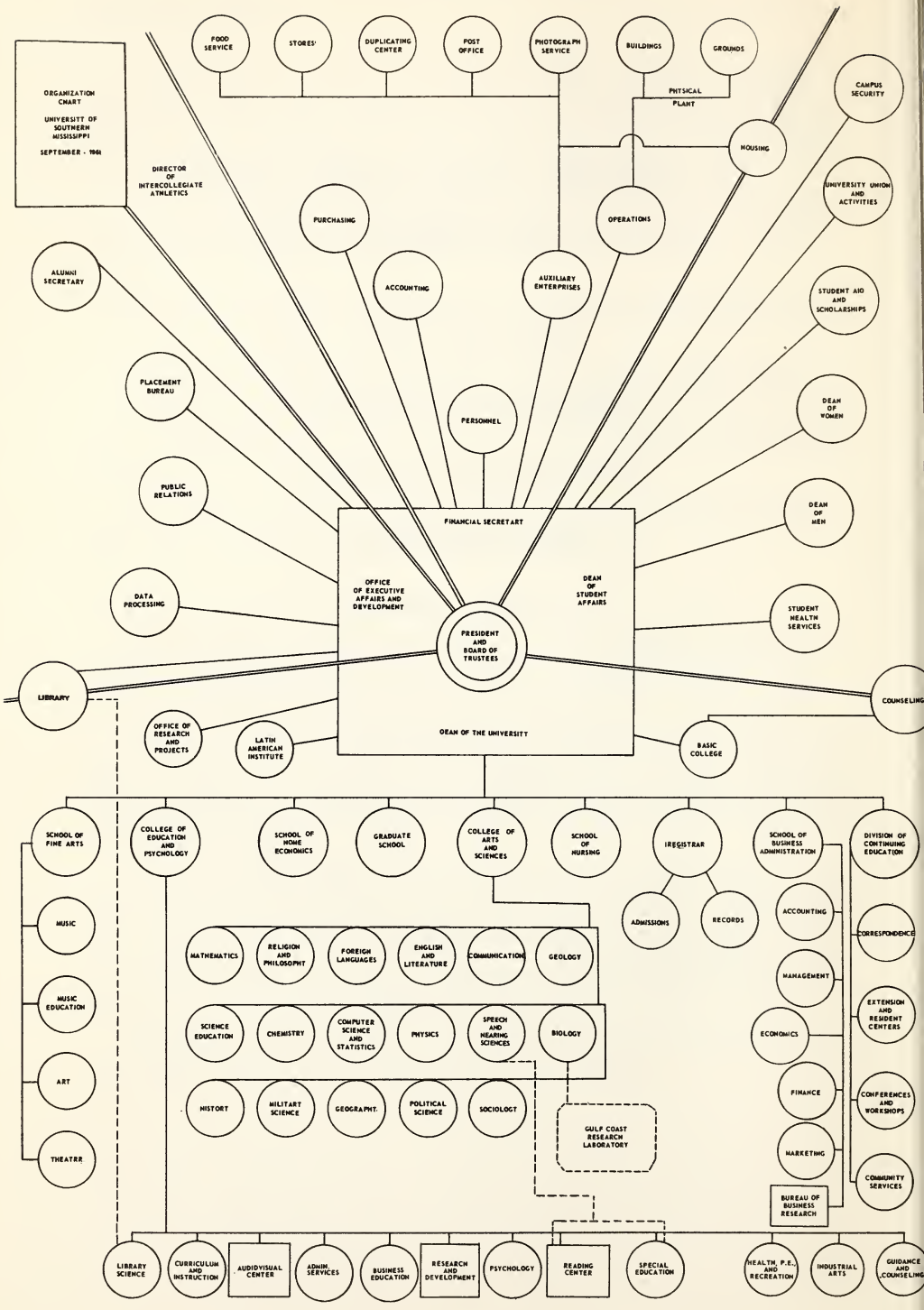
Organization Chart

Organization for Instruction

General Academic Regulations

Degree Requirements

ORGANIZATION CHART



A. ORGANIZATION FOR INSTRUCTION

The University of Southern Mississippi for purposes of undergraduate instruction is organized into the Basic College, the College of Arts and Sciences, the College of Education and Psychology, The School of Business Administration, the School of Fine Arts, the School of Home Economics, the School of Nursing, the Division of Continuing Education. Except for the Basic College and the Division of Continuing Education these are all degree-granting colleges and schools.

The entering freshman is admitted into the Basic College and remains there until he is able to meet requirements for admission into one of the degree-granting colleges or schools. While in the Basic College, which normally covers the freshman and sophomore years, the student takes courses required in the common core curriculum (see Basic College) or an appropriate pre-professional program. In addition, he may take some courses required by the particular college or school from which he plans to graduate. He may also have room in his freshman and sophomore schedule to begin course work toward a major or minor.

Transfer students may be admitted directly into the upper-level, degree-granting college or school provided they transfer the particular curricular prerequisites; otherwise, the transfer student is admitted to the Basic College until he can meet requirements for admission to a degree-granting college or school.

The University of the Southern Mississippi grants the following baccalaureate degrees:

from the COLLEGE OF ARTS AND SCIENCES: (Possible majors are noted under D below, and under each department in the College of Arts and Sciences Section of this catalog.)

the Bachelor of Arts
the Bachelor of Science

from the COLLEGE OF EDUCATION AND PSYCHOLOGY:

the Bachelor of Science "Professional" or teaching degree in
Elementary Education
Secondary Education

(The student majors in a teaching area and minors in secondary education.)

the Bachelor of Arts non-teaching degree, with majors in
Architectural Technology, Library Science, and Psychology

Special Areas

the Bachelor of Science non-teaching degree, with majors in

Architectural Technology	Office Management
Corrective Therapy	Psychology
Industrial Technology	Recreation
Library Science	Executive Secretarial Studies

from the SCHOOL OF BUSINESS ADMINISTRATION: (Possible majors are noted under D below, and under each department in the School of Business Administration Section of this catalog.)

the Bachelor of Science in Business Administration

from the SCHOOL OF FINE ARTS:

the Bachelor of Fine Arts, with majors in

Art Education	Theatre
Commercial Art	Three Dimensional Design
Drawing and Painting	

the Bachelor of Music, with majors in

Church Music	String Instruments
Music History and Literature	Theory and Composition
Organ	Voice
Piano	Wind Instruments

the Bachelor of Music Education, with majors in
General Supervision: voice or piano
Instrumental Supervision

the Bachelor of Arts, with majors in Art or Theatre

from the SCHOOL OF HOME ECONOMICS:

the Bachelor of Science

(Possible majors are noted under D below, and under each department in the School of Home Economics Section of this catalog.)

from the SCHOOL OF NURSING:

Bachelor of Science, with major in Nursing.

To be eligible for any of these baccalaureate degrees, the student must complete:

1. The Basic College core curriculum
2. Any additional curricular requirements of the particular college or school in which he will graduate
3. Requirements for a major or majors and a minor (if a minor is required)
4. Any other specific requirement for the chosen degree, or the major or minor

Specific requirements for major and minors are outlined under each department in the Colleges and Schools Section of this catalog.

Academic Programs Currently Offered

The baccalaureate or undergraduate degree may currently be earned in any of the following areas of specialization. Graduate or post-baccalaureate degree programs are detailed in the **Graduate Bulletin.**

College of Arts and Sciences

Audiology	Latin American Studies
Biology	Mathematics
Botany	Medical Technology
Chemistry	Microbiology
Communication	Philosophy
Computer Science	Physics
Economics	Political Science
English	Public Address
Foreign Trade	Radio-Television
French	Religion and Philosophy
General Science	Sociology
Geography	Spanish
Geology	Speech and Hearing Sciences
German	Speech Pathology
History	Statistics
Journalism	Zoology
Language Disorders	

College of Education and Psychology

Architectural Technology
Audiology
Business Education
Corrective Therapy
Elementary Education
Executive Secretarial Studies
General Science Education
General Speech Education
Health and Physical Education
Industrial Arts
Industrial Technology
Language Disorders
Library Science
Office Management
Psychology
Recreation
Secondary Education
Special Education
Speech Pathology

School of Business Administration

Accounting
Economics
Finance
General Business
Industrial Management
Marketing
Personnel Management
Real Estate and Insurance

School of Fine Arts

Applied Music
  Organ
  Piano
  String Instruments
  Voice
  Wind Instruments
Art
Church Music
Commercial Art
Drawing and Painting
General Music Education
Instrumental Music Education
Music History and Literature
Theatre
Theory-Composition
Three Dimensional Design

School of Home Economics

Child Development
Clothing and Textiles
Clothing Merchandising
Food and Nutrition
General Home Economics
Home Economics Education-Extension Service
Home Economics Education-Teaching
Home Economics in Equipment
Institution Management-Commercial
Institution Management-Dietetics

School of Nursing

Nursing

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A more detailed analysis of degree programs, majors, and minors is found under Section D of this part of the catalog.

B. GENERAL ACADEMIC REGULATIONS

1. Quarter System: The University of Southern Mississippi is on the quarter system which means that in one academic year, which begins with the fall quarter and ends with the summer quarter, a student may earn four complete quarters of credits. A normal quarter is eleven weeks in length and a quarter hour (credit) represents one 50-minute class period per week (laboratory periods are normally 100 minutes). To transpose semester hours to quarter hours multiply the semester hours by one and one-half. Thus a three semester hour course transfers as four and one-half quarter hours.

2. Penalties for Late Registration: Registration will continue after the close of the scheduled registration period (see Calendar) for six class days. Beginning at 8:00 A.M. on the seventh day of scheduled class work all registration will cease for that quarter.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is ten dollars ($10.00) for a load of nine (9) quarter hours or more, and five dollars ($5.00) for a load of less than nine (9) hours.

The course load for which one can register will be reduced to twelve (12) quarter hours beginning with the fourth day of scheduled class work. An exception to this regulation may be made by the appropriate dean. Students registering for the second term of a quarter can not register for a full load after the second day of the new term.

3. Change of Schedule and Withdrawal from the University. If his dean permits, a student may be allowed to drop a course through the tenth class day. A student dropping a course after this deadline will receive a grade of F. In rare cases, a dean may permit a student to drop a course after the deadline without penalty if extenuating circumstances exist. A fee of five dollars ($5.00) is charged for a change in registration after the regular scheduled registration period (see Calendar).

A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of G (withdrawal passing) or a grade of H (withdrawal failing).

4. Load of Work: The normal student load is twelve (12) to eighteen (18) quarter hours. Students on the Dean's List or President's List will be permitted to take twenty-one (21) quarter hours during the next quarter of attendance.

Seniors may take twenty (20) quarter hours during any one of their last three quarters provided they made no grade lower than C during the previous quarter.

Students who have maintained a place on the Dean's List or President's List for each of the two preceding quarters of their residence may take up to twenty-five (25) quarter hours of work during their next quarter of attendance with the approval of the appropriate dean.

5. Absences: Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Some faculty members allow no cuts (unexcused absences from class) while others may allow as many as four in a four-hour course. In the event of sickness or other reasons beyond the control of the student, a total of thirteen (13) absences in a four-hour course, or the proportionate number of absences in a one, two, three, or five-hour course may be allowed provided all work is made up. No credit may be received in a course where the number of absences (regardless of the reason) exceeds thirteen, or the equivalent as shown above. When students are absent to represent the University, their professors are so notified by the Dean of the University. When students are absent because of sickness or other acceptable reason, their professors are so notified by the Dean of Men or the Dean of Women. An absence on a day immediately preceding or following an official holiday is considered as two absences.

6. Examinations: Examinations will be held on the last four days of each quarter (see Calendar).

During the first term of the summer quarter, the last regularly scheduled meeting of a class will be used for examination purposes for that term's courses.

No final examinations are permitted prior to the scheduled examination period (see Calendar).

A student who is absent from the examination without valid reason approved by the Dean of the University forfeits credit for the quarter. Students will be charged a fee of $3.00 for special examinations unless excused by the appropriate dean.

7. Grading System:

A—indicates very superior work and carries 4 quality points per quarter hour.

B—indicates excellent work and carries 3 quality points per quarter hour.

C—indicates average work and carries 2 quality points per quarter hour.

D—indicates inferior to average work and carries 1 quality point per quarter hour.

F—indicates failure without condition and carries no quality points. Quality point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. A student dropping a course after the tenth day of scheduled classes will receive a grade of F. A grade of F may not be removed by taking a correspondence course without the approval of the dean of the appropriate school.

I—indicates an incomplete record. An I becomes an F if the work is not completed within the next twelve months, or, if the student is not in residence during all of the next twelve months, within the next quarter of attendance after the expiration of the twelve-month period. A grade of I may not be removed by taking a correspondence course without the approval of the dean of the appropriate school.

G—indicates withdrawal from a course passing. No student will be allowed to withdraw from a course after ten scheduled class days except under unusual circumstances approved by the appropriate dean.

H—indicates withdrawal from a course failing.

Y—indicates acceleration, because of proficiency, to a more advanced course.

P—indicates a passing grade in non-credit courses.

Note: A faculty regulation provides that except in cases of obvious clerical error, a grade of A, B, C, D, or F may not be changed without permission given by the faculty in regular meeting.

Computation of Grade-Point Averages: An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of twenty-four (24) quarter hours in order to improve his grade-point average. (That is, he may repeat one four-hour course six times, three four-hour courses twice each, six four-hour courses once each, etc.) Other than these "repeats" all credit attempted will be used in computing the grade-point average. This policy became effective with courses taken after September 1, 1967.

Dean's List: Students will be placed on the Dean's List if they have maintained a quality point ratio of 3.25 or above on an academic load of fifteen (15) quarter hours or more, provided they have no grade of D or below. Being on the Dean's List carries with it certain privileges.

President's List: Students will be placed on the President's List if they have earned a quality point ratio of 4.0 (all A's) on a load of fifteen (15) quarter hours or more. Being on the President's List carries with it certain privileges.

8. **Academic Standards.** The following standards for continuing in residence at the University of Southern Mississippi were approved by the Academic Council on June 12, 1967, and amended on June 19, 1967.

An undergraduate student will be allowed to continue in the University as long as he maintains the following grade point average on courses attempted at the University of Southern Mississippi:

Total Hours Attempted (Including transferred courses)	Required Grade Point Average (On USM credit only)
19 through 40	1.25
41 through 100	1.50
101 through 118	1.70
119 through 131	1.85
132 and above	1.95

The student will not be placed on probation prior to suspension. He will be suspended for the period following his failure to make the minimum scholastic standards. Notice of suspension will be carried on the end-of-quarter grade report. Total hours attempted will include credit undertaken at the University and credit transferred. The quality point average will involve only courses attempted at the University of Southern Mississippi and will not include transferred credit.

Appeals of students suspended under this policy will be directed to the dean of the college or school in which the student is enrolled.

The first suspension will be for at least one quarter, the second for at least four quarters, and the third suspension will be permanent.

Students on academic or disciplinary suspension may not attend any of the extension or resident centers of the University of Southern Mississippi.

9. Memorandum of Credits: A memorandum of credits is a statement available from the Office of the Registrar showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are fifty cents each, except that upon request of the student one copy of the cumulative record will be supplied to the University of Southern Mississippi Placement Bureau without charge.

10. Classification of Undergraduates: A student is ranked as a:
Freshman when he has less than 40 quarter hours of earned credit
Sophomore when he has as many as 40 hours and less than 90 hours
Junior when he has as many as 90 hours and less than 132 hours
Senior when he has 132 or more quarter hours of earned credit
Special student when he is not working toward a degree.

11. Course Numbering: Freshman courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 and above. Courses carrying numbers below 100 are non-credit courses. Undergraduate courses approved for possible graduate credit will carry the prefix G. Courses taken by extension will carry the prefix E, and by correspondence, C. Honors courses carry the prefix H.

Freshman and sophomore students are not ordinarily permitted to register for upper division courses.

12. Course Sequences and Related Sequences: Certain 100 and 200-level courses may not be taken for credit by a student after he has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Colleges and Schools Section of this catalog. Selection of the courses, as well as exceptions to the policy, is left to the department chairmen.

13. Challenge Examination: Under the following policy, departments may grant credit by examination in lieu of class enrollment:

A. The examination must be given by the department in which the course is offered.

B. The department chairman must be assured that the student has had some formal or informal learning experience which has prepared him for the examination.

C. Not more than forty-eight (48) quarter hours may be earned by examination.

D. Credit earned by examination may not be used in the residence requirement of forty-eight (48) quarter hours on the Hattiesburg campus.

E. The student must make application to the chairman of the department in which the course is offered. If approval is granted, the student will pay a $10.00 examination fee in the Business Office. The student then presents his receipt to the department chairman who will administer the examination.

F. If the student passes the examination, a memorandum must be forwarded to the Registrar giving the name of the department, course number, course title, grade, quarter hours, and date the examination was taken.

C. GENERAL DEGREE REQUIREMENTS

1. Choice of Catalog: Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation and which carries announcements for a year during which the student earned some credit at the University of Southern Mississippi. A transfer student from a Mississippi junior college may graduate under a catalog which was in force during the time he attended a Mississippi junior college provided the catalog is not more than six years old at the time of the student's graduation.

2. Hour Requirements: An applicant for a degree must complete 192 quarter hours, including core requirements and major and minor requirements. Nc more than six (6) quarter hours of practical music (chorus, band, or orchestra) may be counted toward this total except by students who are majoring in music. Not more than twelve (12) quarter hours in physical education activity courses, and not more than four (4) quarter hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 192 quarter hours, ninety-six (96) must be earned in a senior college, and sixty-eight (68) of the ninety-six (96) must be in courses numbered 300 or above.

3. Quality Point Requirement: A student must earn a quality point ratio of at least 2.0 (an average grade of C) based on all courses undertaken at the University of Southern Mississippi. Grades in correspondence courses, extension courses, and off-campus workshops do not carry quality points.

4. Hour and Quality Point Requirements for Pre-Professional Degrees: University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or Bachelor of Arts degrees in professional schools of medicine, medical technology, dentistry, or law on the following conditions:

(a) that 140 hours of credit and 280 quality points shall have been completed, with a minimum of three quarters and forty-eight (48) quarter hours of residence at the University of Southern Mississippi.

(b) that all core requirements for the degree shall have been completed.

(c) that credit and quality points shall be transferred back to the University of Southern Mississippi from the school of medicine, dentistry, or law

to complete requirements for the degree. A minimum of one year's work must be transferred. In the case of medical technicians, a certificate of graduation from a recognized school of medical technology must be presented. In any case a minimum of 192 quarter hours must be completed before the degree can be awarded.

(d) that the program leading to the degree shall be completed within two calendar years of the termination of the last quarter of residence at the University of Southern Mississippi, except that technicians will be allowed three calendar years after the last quarter of residence for the completion of the degree program.

5. Residence Hour Requirement: Limitation on Correspondence Courses: To become eligible for a degree at the University of Southern Mississippi, a student must meet the following residence requirements:

(a) He must earn at least forty-eight (48) quarter hours of credit in residence on the Hattiesburg campus of the University of Southern Mississippi.

(b) He must do the last quarter of work (sixteen (16) quarter hours) on the Hattiesburg campus. Any exception to this regulation must be recommended by the dean of the college or school in which the student is graduating, and must be approved by the Dean of the University.

(c) He must earn at the University of Southern Mississippi at least twelve (12) quarter hours of credit in his major field.

(d) Military personnel on active duty who are assigned to the University of Southern Mississippi on temporary duty under "Operation Bootstrap" may be permitted to qualify for graduation by completing a minimum of forty (40) quarter hours in residence, provided all other degree requirements are met.

A long-standing regulation provides that students will not be permitted to do correspondence study while in residence. An exception to this rule may be made for seniors. This can only be done with the approval of the appropriate dean and the Dean of the University. If a student takes a correspondence course during his last quarter of attendance, he may not register for a correspondence course after he leaves the campus with the expectation of completing requirements for his degree.

6. Basic College Core Requirements: The purpose of the Basic College core curriculum is two-fold: to give all University students a common cultural experience, and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges and schools to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The core requirement of the Basic College, common to all degree programs, is itemized in the Basic College Section of this catalog.

Two elements of the core must be emphasized here:

Physical Education: Students are required to take three physical educational activity courses during the freshman year unless excused from the requirement by the University physician or the Dean of the Basic College. Only one physical education activity course may be taken in any one quarter.

Military Science: Physically qualified male students entering as freshmen are required to complete at least two years (six quarters) of military science. Male students who seek exemption from this requirement because of a physical disability are cautioned that such exemption does not necessarily insure

exemption from the draft under Selective Service Regulations. Students must take a basic military science course each quarter until they have completed the basic course.

7. Exemption from Core Requirements: Students may be exempted from any part of the core requirements for any degree on the basis of satisfactory attainment as demonstrated by previous academic record. The granting of exemption does not involve the bestowal of credit; neither does it reduce the total number of hours to be earned for a degree. Its only effect is to increase the number of electives which the student may include in his degree program.

8. Transfer from Basic College to Upper-Level College or School: All undergraduates entering the University with less than sixty-four (64) quarter hours are assigned to the Basic College. In cases of transfer students having at least sixty-four (64) quarter hours as determined by the Admissions Office, the Director of Admissions will assign the student directly to the appropriate college or school with the understanding that deficiencies must be made up on a schedule determined by the college or school concerned.

No student may remain in the Basic College after he has earned a total of 132 quarter hours of credit. If a transfer has not been made from the Basic College when the student earns 132 hours, he will be dropped from the University. Reinstatement to the University can be earned only by admission to a degree-granting college or school.

The student will initiate a transfer from the Basic College by filling out transfer application forms from the degree-granting college or school of his major choice. If a student is refused admission to a degree-granting college or school, he may appeal his case to the Dean of the University.

To transfer, a student must meet the following requirements:

1. Completion of at least sixty-four (64) quarter hours of credit
2. Completion of an overall quality point average of at least 2.0
3. Completion of freshman English
4. Selection of a major area of study
5. Completion of special school requirements such as the Accounting and Economics requirements for entry into the School of Business Administration

9. Change of College or School: Students wishing to transfer from one college or school of the University to another must make application to and be approved by the dean of the college or school into which they wish to transfer.

10. College and School Degree Requirements: In addition to the Basic College common core requirement, each degree-granting college or school may have its own requirements for a particular degree. These requirements are designed to give the student the necessary preparation for completing a major in the particular college or school. The additional upper-level requirements currently in force are itemized in the Colleges and Schools Section.

11. Courses Numbered 300 and Above: To become eligible for any baccalaureate degree, a student is required to complete a minimum of sixty-eight (68) quarter hours in courses numbered 300 or above.

12. English Proficiency: To become eligible for any baccalaureate degree, a student must pass a qualifying examination in English proficiency after becoming a junior. The examination is given on Thursday of the seventh week of each quarter, and it is to the student's advantage to take the examination during the first quarter of attendance after he becomes a junior.

13. Quality Point Requirement for the Major and Minor: A student must have a quality point average of at least 2.0 (a C) in the major field and in the minor field on courses taken at the University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at the University of Southern Mississippi. If the transferred work does not average at least a C, the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at the University of Southern Mississippi a sufficient number of courses on which grades of D were transferred and thereby raising the grades in those courses to the level required for a C average, or (b) striking from the transferred transcript courses in the major or minor field with grades of D, and taking additional courses in the major or minor at the upper division level to meet the University's degree requirement.

14. Change of Major within a College or School: Any student wishing to change his major within a college or school must secure the approval of the dean.

15. Application for Degree: A student is expected to file an application for a degree at least three quarters before degree requirements are completed. This application filed with the Registrar will show the work completed by the student and the courses planned for the ensuing quarters. Filing three quarters in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up any deficiencies found in the degree program. After the application has been approved by the Registrar's Office, it becomes the student's official degree program.

No application for degree will be accepted until the degree fee of twelve dollars ($12.00) has been paid at the Business Office.

16. Approval of Faculty: The names of all applicants for degrees are submitted to a vote of the faculty. If this vote is favorable, the President of the University is authorized by the Board of Trustees to grant the degree.

17. Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or with highest honors. The residence requirement for such degrees is not less than five (5) quarters on the Hattiesburg campus with a load of not less than twelve (12) quarter hours in residence credit each quarter, and totaling not less than eighty (80) quarter hours of residence credit on the Hattiesburg campus. In computing this residence requirement, one six-week term will be counted as a half quarter when the load is six (6) hours or more. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

18. Second Baccalaureate Degree: The University of Southern Mississippi will grant a candidate a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least forty-eight (48) quarter hours with at least ninety-six (96) quality points. The forty-eight (48) quarter hours must be related to a specific major separate from the first degree major; and the forty-eight (48) hours must be completed after the first degree requirements are met.

D. SPECIFIC DEGREE REQUIREMENTS DETERMINED BY CHOICE OF SPECIALIZATION

In the baccalaureate degree's combination of breadth with depth, the major and minor fields are the concentrated areas of study in which the student achieves some depth of scholarship or specialization to complement the core requirement's breadth.

Following this general pattern of designating a major from an area of special interest, the student normally will choose his degree program and major as follows:

COLLEGE OF ARTS AND SCIENCES

A student seeking the **Bachelor of Science** degree in the College of Arts and Sciences will select a major from among the following fields:

Audiology
Biology
Botany
Chemistry
Communication
Computer Science
English (45 hours required)
Foreign Trade
French
General Science
Geography
Geology
German
History
Journalism
Language Disorders
Latin American Studies
Mathematics
Medical Technology
Microbiology
Philosophy
Physics
Political Science
Public Address
Radio-Television
Religion and Philosophy
Sociology
Spanish
Speech and Hearing Sciences
Speech Pathology
Statistics
Zoology

The student seeking the **Bachelor of Arts** degree in the College of Arts and Sciences will select a major from **any of the foregoing fields,** or from Economics or Foreign Trade. For the difference between Bachelor of Arts and Bachelor of Science core requirements, see the Colleges and Schools Section.

COLLEGE OF EDUCATION AND PSYCHOLOGY

The College of Education and Psychology degree programs are a bit more complex than those of other colleges and schools, since the teacher-education curricula embrace "professional," or methods, as well as "subject," or content, courses.

The College of Education and Psychology awards the **Bachelor of Arts** degree (normally a non-teaching degree) with majors in:

Architectural Technology, Library Science, and Psychology

The College of Education and Psychology also awards **two** types of **Bachelor of Science** degree: teaching and non-teaching.

Bachelor of Science (non-teaching)

The **Bachelor of Science** non-teaching degree in the College of Education and Psychology may be secured with a major in any one of the following fields:

Architectural Technology
Corrective Therapy
Executive Secretarial Studies
Industrial Technology
Library Science
Office Management
Psychology
Recreation

Bachelor of Science (teaching)

The **Bachelor of Science** professional teaching degree is awarded only in the College of Education and Psychology. This Bachelor of Science teaching degree falls into one of three general categories: Elementary Education, Secondary Education, or Special Areas Education. Certification requirements for public school teachers make necessary certain hour totals and course content for the majors and minors in each of these categories.

For example, the student preparing to teach in elementary schools, grades one through eight, will **major** in elementary education for his Bachelor of Science teaching degree. No academic minor is required.

The Bachelor of Science teaching degree in secondary education, grades seven through twelve, requires a minor in professional education courses, with a major selected from one of the following fields (required hours are indicated where the total requirement is more than 36).

Biology
Business Education (40-48 hours)
Chemistry
Economics*
English (45 hours)
French
General Science (See Science Education Section of this **Bulletin.**)
General Speech
Geography*
German
History*
Home Economics (52 hours)**
Industrial Arts (45 hours)
Journalism
Mathematics
Physics
Political Science*
Psychology
Sociology*
Spanish

*Students majoring in economics, geography, history, political science, or sociology and minoring in secondary education must include in their degree programs the following courses: world history—8 quarter hours; American history—8 quarter hours; Mississippi history—4 quarter hours; economics—4 quarter hours; political science—4 quarter hours; geography—4 quarter hours.

**Home Economics majors will enroll in the School of Home Economics, but will also apply to the College of Education and Psychology for approval of their secondary education teaching program.

The Special Areas in which teacher-education programs are available, grades one through twelve, are:

College of Education and Psychology

Audiology***
Health and Physical Education (22 hours Health, 22 hours Physical Education)
Language Disorders***
Library Science
Special Education
Speech Pathology***

***Curricula for the audiology, language disorders, and speech pathology majors will be found in the Department of Speech and Hearing Sciences of the College of Arts and Sciences. Any student preparing to become a Special Areas teacher in one of these major fields will enroll in the College of Education and Psychology, and will then be assigned to the Department of Speech and Hearing Sciences for courses in the major. The teaching degree will be awarded by the College of Education and Psychology.

Public school teachers may also be certified in the special areas of music education or art education (see under School of Fine Arts below). The certification requirement for art education is a 44-hour major in art, with a minor in professional education.

School of Fine Arts

Art Education
Music Education

SCHOOL OF BUSINESS ADMINISTRATION

The student seeking the **Bachelor of Science in Business Administration** degree in the School of Business Administration will select a major from among the following fields:

Accounting
Economics
Finance
General Business
Marketing
Industrial Management
Personnel Management
Real Estate and Insurance

SCHOOL OF FINE ARTS

The student seeking the **Bachelor of Fine Arts** degree in the School of Fine Arts will select his major from: art education, commercial art, drawing and painting, theatre, and three dimensional design.

The student seeking the **Bachelor of Arts** degree will select as his major either art or theatre.

The student seeking the **Bachelor of Music** degree will select his major from among the following:

Church Music
Music History and Literature
Organ
Piano
String Instruments
Theory and Composition
Voice
Wind Instruments

The student seeking the **Bachelor of Music Education** degree will select his major from either:

General Supervision: voice or piano emphasis, or
Instrumental Supervision

SCHOOL OF HOME ECONOMICS

The student seeking the **Bachelor of Science** degree in the School of Home Economics will select a major from among the following areas of specialization:

Child Development
Clothing and Textiles
Clothing Merchandising
Food and Nutrition
General Home Economics
Home Economics Education-Extension
Home Economics Education-Teaching
Home Economics in Equipment
Institution Management-Commercial
Institution Management-Dietetics

THE SCHOOL OF NURSING

The **Bachelor of Science** degree will be in nursing.

E. MINOR REQUIREMENTS

In addition to the major, each student, where the degree program so requires, must also choose a minor (or else a second major). He should select his minor in consultation with his academic adviser. A minimum of twenty-eight (28) quarter hours is needed for the minor, with the quality point requirement as noted in paragraph C-13 above. The work taken in the major may not apply to the minor.

With certain exceptions, any of the areas of specialization or majors indicated above may be selected for the minor. In choosing a minor, however, the student should be guided by the following policies:

A. A student working for a non-teaching degree must establish a minor (28 hours) chosen from the fields listed above as possible majors with two exceptions:

(1) A student may establish a minor for the non-teaching degree in general science by offering thirty-six (36) hours from two or more appropriate fields (biology, chemistry, geology, mathematics, and physics), provided he offers at least twelve (12) hours from each field he chooses to include.

(2) To establish a minor in any field, a student must earn at least twelve (12) hours above the core requirements in that field.

B. A student working for a teaching degree in secondary education necessarily establishes a minor in secondary education.

Since many high schools in Mississippi require teachers to teach in more than one field, it is recommended that students working for secondary education certification plan their electives so as to meet certification requirements in some subject field in addition to their major.

COLLEGES, SCHOOLS, AND DIVISION

Basic College

College of Arts and Sciences

College of Education and Psychology

School of Business Administration

School of Fine Arts

School of Home Economics

School of Nursing

Division of Continuing Education

THE BASIC COLLEGE

SIDNEY E. L. WEATHERFORD, JR., DEAN

Counselors: Warren Dunn, Charles B. McNeill, M. Selby Parker

All entering freshmen and all transfer students with less than sixty-four (64) quarter hours of college credit are assigned to the Basic College and remain there until they are able to meet requirements for admission into one of the degree-granting colleges or schools of the University. The Basic College, therefore, serves as the primary advisement and administrative unit for freshmen, sophomore, and other undergraduate students who have not been admitted into a degree-granting college or school.

Three academic programs are provided for Basic College students: (1) a general education program consisting of a core curriculum for students who seek baccalaureate degrees; (2) pre-professional curricula for students who plan to transfer to professional schools for specialized degrees; (3) a two-year terminal program in secretarial training for students who do not wish to pursue baccalaureate degrees. The quarterly schedules and course requirements of students during their enrollment in the Basic College are determined by their chosen programs from those listed above.

The General Education Program

The general education core is outlined below and should be used as a guide for Basic College students who have not selected majors. The student should note that certain choices exist within the core. The choices depend upon the requirements of the college or school of the student's proposed major.

In addition to the core, with appropriate options, the various colleges, and schools, will have other course requirements or recommendations for their prospective students during their freshman and sophomore years. Immediately following the outline of the general education core, students will find a special outline of the core along with other freshman and sophomore requirements for the various colleges or schools of the University. **Please note that the student without a major or interested area should follow the general core until a major is selected. The student with a major or interest area should follow the Basic College program outlined below for the college or school of his major or the Basic College program outlined for his major in other appropriate sections of the Bulletin.**

The General Core Curriculum

The purpose of the core curriculum is two-fold: to give all University students a common cultural experience and to extend this experience over a wide range of skills and major disciplines so that the individual student may gain a better perspective of his own special abilities and interests. Courses included in the core follow:

	Hours
English 101, 102, 103, 201, 202* or 433	20
History 101, 102	8
Science (Students interested in a science major must take laboratory science. Those preparing to teach must take eight (8) hours of biological science and eight (8) hours of physical science which may be in Fundamentals of Science)	12-16
Mathematics	4
Political Science 101	4
Social Science-Elect one course from two of the following fields for eight (8) hours:*	8
Economics 200 or 251	
Geography 103	
Psychology 201	
Sociology 103 or 201	

Other Courses—Elect one course from three of the following fields for twelve (12) hours:* 12
Allied Arts 100
Philosophy 101 or 210
Public Address 101
Health 179
Basic College Studies 50 .....(Non-credit) 0
Physical Education** (3 quarters) 3
Military Science (for men) 6
Total for Women .....71 or 75
Total for Men .....77 or 81

Please note that in addition to the Basic College Core Curriculum outlined above, a degree-granting college or school will have additional requirements for admission into that college or school. These additional requirements are described below and in the introduction to each college and school in the Bulletin.

*For recommendations and requirements in these areas, the student should consult the appropriate section below and the introduction to the appropriate degree-granting college or school which he plans to enter

For required courses in this area, students should consult the section of the **Bulletin pertaining to physical education. Students participating in varsity athletics, Marching Band (Fall Quarter), Dixie Darlings (Fall Quarter), or Pom Pon Girls may substitute this for required physical education during one quarter each year of participation.

College of Arts and Sciences

Bachelor of Arts Degree	Hours
English 101, 102, 103, 201, 202, 306*	24
History 101, 102	8
Science (may be Fundamentals of Science)	12
Mathematics (any four-hour course)	4
Social Sciences*-Political Science 101, Geography 103, Sociology 103 or 201	12
Philosophy 101*	4
Public Address 101*	4
Other Courses—Elect one of the following for 4 hours: Allied Arts 100, Health 179	4
Foreign Language**	24
Military Science (for men)	6
Physical Education (3 quarters)	3
Basic College Studies 50	(Non-credit) 0

*Represents core and/or college or school requirements.

**Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing second-year sequence of courses in the same language for a total of twelve quarter hours.

Bachelor of Science Degree	Hours
English 101, 102, 103, 201, 202 or 433	20
History 101, 102	8
Science* (non-science majors may take Fundamentals of Science)	16
Mathematics*	12
Social Science*-Political Science 101, Geography 103, Sociology 103 or 210	12
Philosophy 101 or 210*	4
Public Address 101*	4
Other Courses—Elect one of the following for 4 hours: Allied Arts 100, Health 179	4
Foreign Language*	12
Military Science (for men)	6
Physical Education (3 quarters)	3
Basic College Studies 50	(Non-credit) 0

*Represents core and/or college or school requirements.

College of Education and Psychology

In addition to the Bachelor of Science degree, the College of Education and Psychology offers the Bachelor of Arts degree in some teaching and non-teaching areas. The courses shown below represent freshman and sophomore programs for the Bachelor of Science degree. The requirements for the Bachelor of Arts degree are the same with the addition of twenty-four (24) hours of a foreign language. Students interested in pursuing the Bachelor of Arts degree in the College of Education and Psychology should consult the chairman of the department involved for further information and assistance.

Elementary Education

Students preparing for elementary teaching must satisfy a definite program of requirements. Due to the comprehensive nature of the elementary education sequence, the following courses satisfy Basic College core curriculum and college requirements at the freshman and sophomore level.

	Hours
English 101, 102, 103, 201, 202 or 433	20
History 101, 102	8
Science	16
*Physical Science—FS 104 and 105—8 hours	
*Biological Science—FS 106 and 107—8 hours	
Mathematics 100	4
Political Science 101	4
Social Science—Elect two different courses from the following for eight hours	8
Economics 200 or 251	
Geography 103	
Sociology 103 or 201	
Basic College Studies 50 (Non-credit)	0
Physical Education—(3 quarters)	3
Military Science (for men)	6
Other courses—the following courses are required:	16
Public Address 101	
Health 179	
Psychology 201	
Allied Arts 100	

*The student may elect laboratory science, but must complete eight (8) hours of biological science and eight hours of physical science.

Secondary Education

Students preparing to teach at the secondary school level should complete the following core and school requirements during their freshman and sophomore years:

	Hours
English 101, 102, 103, 201, 202 or 433	20
History 101, 102	8
Science (non-science majors)	16
Biological Science—8 hours	
Physical Science—8 hours	
Science majors must take laboratory sciences and should see requirements for majors in the sciences. Non-science majors may take Fundamentals of Science.	
Mathematics (any four hour course)	4
Political Science 101	4
Social Science—Elect two courses from the following for 8 hours	8
Economics 200 or 251	
Sociology 103 or 201	
Geography 103	

Other Courses—The following courses are required Health 179 Public Address 101 Psychology 201 Allied Arts 100	16
Basic College Studies 50 (Non-credit)	0
Physical Education—(3 quarters)	3
Military Science (for men)	6

Non-Teaching Degrees

The **College of Education and Psychology** offers non-teaching degrees in psychology, library science, office management, executive secretarial studies, recreation, and industrial technology. The requirements for these non-teaching degrees for freshmen and sophomores are listed below:

Bachelor of Science (non-teaching)	Hours
English 101, 102, 103, 201, 202 or 433	20
History 101, 102	8
Science*	12
Mathematics	4
Political Science 101	4
Social Science—Elect two courses from the following for 8 hours.... Economics 200 or 251 Sociology 103 or 201 Geography 103	8
Other courses in the Basic College Philosophy 101 or 210 Allied Arts 100 Public Address 101 Psychology 201	12 or 16
Basic College Studies 50 (Non-credit)	0
Physical Education—(3 quarters)	3
Military Science (for men)	6

*Biology or physics recommended for psychology majors.

School of Business Administration

Freshman Year	Hours
English 101, 102, 103	12
History 101, 102	8
Mathematics 101 or 112	4
Other Courses—Elect one course from three of the following fields for twelve hours Allied Arts 100 Philosophy 101 or 210 Public Address 101 Health 179	12
Political Science 101	4
Geography 103 or Psychology 201 or Sociology 103	4
Military Science (for men)	3
Physical Education (3 quarters)	3
Basic College Studies 50 (Non-credit)	0
*Electives	4

*Finance 100, Introduction to Business, is strongly recommended as an elective for those wishing a survey course in business. Business Education 101, Elementary Typewriting, is an excellent elective for the student without high school typewriting.

Sophomore Year

Accounting 201, 202, 203	12
Economics 251, 252	8
English 201, 202	8
Finance 290	4
Science	12
Military Science (for men)	3
*Electives	4

*Industrial Arts 121 is an excellent elective for the student majoring in Industrial Management.

School of Fine Arts

Inasmuch as the requirements of the **School of Fine Arts** will differ for the various majors, and the sequence in which students take their course work is fixed for each year, no attempt is made to show the combined core and school requirements here. Students interested in being admitted to the **School of Fine Arts** should follow the detailed outline for the freshman and sophomore years found in the Fine Arts Section of the **Bulletin.**

School of Home Economics

The core curriculum for Bachelor of Science degree as outlined below is to be followed by the student who pursues any major in the **School of Home Economics.**

		Hours
English 101, 102, 103, 201, 202 or 433	20	20
History 101, 102	8	8
Mathematics (Home Economics majors who take chemistry must take Mathematics 101)	4	4
Science*	12	16
Majors in institution management, clothing and textiles, home economics education, and food and nutrition must take: CHE 121, 122, 123, and BIO 101, 103, 220. Majors in child development, clothing merchandising, equipment, and general home economics must take: BIO 101, 103, and 220.		
Social Science*	16	16
Political Science 101 Economics 200*** Sociology 103 Psychology 201		
Other Courses*	12	12
Health 179 Public Address 101 Art 111		
Home Economics*	18	18
Home Economics Education 122** Food and Nutrition 137 or 178 (for institution management—commercial) Food and Nutrition 285 or 262 (for institution management—commercial) Clothing and Textiles 126 (Not required for institution management—commercial majors) Child Development 139**		
Military Science (for men)	6	6
Basic College Studies 50	(Non-credit)	0
Physical Education—(3 quarters)	3	3
Total		99 or 103

Note: Majors in institution management—commercial will have only 90 or 94 hours.
*Represents core and/or school requirements.
**Not required of transfer students or students majoring in institution management—commercial.
***Majors in clothing merchandising should take Economics 251.

School of Nursing

In 1966 the Legislature of the State of Mississippi authorized the University of Southern Mississippi to create a **School of Nursing.** Basic College students who plan to enter the **School of Nursing** should complete the courses shown below during their freshman and sophomore years:

	Hours
English 101, 102, 103, 201, 202	20
Chemistry 101, 102, 103, 251, 252, 253	27
Biology 101, 102, 103, 228, 229*	20
Mathematics 112*	4
Public Address 101	4
Political Science 101	4
Sociology 103, 209*	8
Psychology 201	4
History 101, 102	8
Nursing 110, 111, 112, 210, 211, 212*	6
Military Science (for men)	6
Physical Education (3 quarters)	3
Basic College Studies 50 (Non-credit)	0
Total for Women	111
Total for Men	114

*Represents core and/or school requirements.

Pre-Professional Curricula

In addition to its own degree programs, the University of Southern Mississippi provides pre-professional training for students who plan later to enter the fields of medicine, dentistry, medical technology, pharmacy, law, and engineering. Recommended pre-professional curicula are outlined below. Pre-professional programs may also be arranged with individual students through their academic advisers in such fields as architecture, forestry, social work, veterinary medicine, or the ministry.

RECOMMENDED PRE-MEDICAL AND PRE-DENTAL PROGRAM

J. Fred Walker, Chairman

Advisers: Bedenbaugh, Brundage, Harrises, Newsom, B. Smith, St. Clair

The pre-medical and pre-dental curriculum is offered to meet the needs of the student wishing to enter an approved school of medicine or dentistry. The student should seek the counsel of his advisers in selecting courses that will meet the specific requirements of the medical or dental school which he intends to enter. This is especially true of science, social science, and language requirements.

It should be remembered that the keen competition for admission to medical and dental schools makes it imperative that the student plan his curriculum carefully and maintain a superior scholastic standing. A three-year pre-medical and pre-dental program is outlined below, but if the student wishes to receive a bachelor's degree before transferring to professional school, a four-year curriculum may be worked out with the advisers. A student entering medical or dental school after the junior year may be awarded a bachelor's degree by the University of Southern Mississippi upon completion of the first year of medical or dental school if the core curriculum requirements outlined elsewhere in this catalog are met, and provided that the fifty-two (52) hours credit he receives for his first year of medical school complete the 192 hours requirement for a degree.

Freshman Year	Hours
Biology 101, 102, 103	12
Chemistry 101, 102, 103	15
English 101, 102, 103	12

Mathematics 101, 103, 171	12
Basic College Studies 50	(Non-credit) 0
Physical Education (3 quarters)	3
Military Science 101, 102, 103 (male students)	3

Sophomore Year

Biology 401	4
Chemistry 304, 305	8
English 201, 202 or 332	8
History 101, 102	8
Physics 101, 102, 103	15
Military Science 201, 202, 203 (male students)	3

Junior Year*

Chemistry 301, 302, 303	15
Biology 301, 302	8
Economics 200 or 251	4
Allied Arts 100	4
Philosophy 210 or 101	4
Political Science 101	4
Psychology 201	4
Public Address 101	4
Sociology 103	4

*Any student desiring to receive the Bachelor of Arts degree instead of continuing in the Pre-medical-Pre-dental Program should replace 12 hours of the junior year program with 12 hours of a foreign language. (GER 101, 102, 103 recommended.)

Senior Year

Foreign Language	12
Electives in 300 or 400 courses	24
Courses replaced by foreign language during junior year	12

RECOMMENDED PROGRAM IN MEDICAL TECHNOLOGY

J. Fred Walker, Chairman

Advisers: Stocks, C. Brent, Yarbrough

The first three years of the following program is planned to meet the needs of those specializing in medical technology. The student who completes the three-year program and completes an additional year at a recognized school of medical technology may be eligible for a Bachelor of Science degree at the University of Southern Mississippi upon the transfer of fifty-two (52) hours credit allowed for the year's training.

Freshman Year	Hours
English 101, 102, 103	12
Chemistry 101, 102, 103	15
Biology 101, 102, 103	12
Mathematics 101, 103	8
Basic College Studies 50	(Non-credit) 0
Physical Education (3 quarters)	3
Military Science 101, 102, 103 (male students)	3

Sophomore Year

Biology 228, 229, 339, 340	12
Chemistry 304, 305	8
English 201, 202 or 332	8
Political Science 101	4
Public Address 101	4
History 101, 102	8
Military Science 201, 202, 203 (male students)	3

Junior Year	Hours
Biology—elect five courses from the following for a total of twenty (20) hours: BIO 305, 442, 405 and 447, 468 and 469, 401 or 424	20
Chemistry 251, or 301, 302, and 303*	4 or 15
Sociology 103	4
Economics 200	4
Philosophy 210 or 101	4
Allied Arts 100	4
Psychology 201	4
Senior Year**	
Biology 471, 406, 400, 425	16
Chemistry 425, 371, 372	13
Electives (see advisers)	

*Students pursuing a four year program in chemistry or microbiology prior to entering an accredited school of medical technology should take Chemistry 301, 302, and 303.

**A student in the medical technology program may pursue a four year program leading to a Bachelor of Science degree in either microbiology or chemistry. A college graduate who has majored in chemistry or bacteriology (microbiology) can qualify for a Registry Certificate following an acceptable laboratory experience and an examination. The student pursuing the four year program must transfer from the Basic College to the College of Arts and Sciences for the senior year.

RECOMMENDED PRE-PHARMACY PROGRAM

J. Fred Walker, Chairman

Advisers: Dudley, Lewis, Pessoney, Pinson, Wertz

The requirement for admission to most schools of pharmacy is two years of pre-pharmacy training. The student should obtain a copy of the catalog of the school of pharmacy which he plans to attend and with his academic adviser adjust his course of study to meet his individual needs.

First Pre-Pharmacy Year	Hours
Chemistry 101, 102, 103	15
English 101, 102, 103	12
Mathematics 101, 103	8
Biology 101, 102, 103	12
Electives	4
Basic College Studies 50	(Non-credit) 0
Physical Education (3 quarters)	3
Military Science 101, 102, 103 (male students)	3

Second Pre-Pharmacy Year	
Chemistry 301, 302, 303	15
Physics 101, 102, 103	15
Economics 251, 252	8
Botany 104, 214	8
Electives*	12
Military Science 201, 202, 203 (male students)	3

*Electives should be selected from one or more of the following fields of study: English literature, foreign languages, history, mathematics, philosophy, political science, psychology, sociology, speech.

RECOMMENDED PRE-LAW PROGRAM

Adviser: Dr. Wilber

The requirements for admission to accredited law schools vary. Some schools require only three years of pre-law study, but many require completion of degree programs. The pre-law student should obtain a catalog of the

law school where he intends to study and use it in planning his program. Law schools expect the pre-law student to emphasize content subjects rather than skill subjects. All schools require that their students be able to express themselves well in written composition, so a student who is weak in composition should take extra courses.

The program at the University of Southern Mississippi is divided into two parts, and the pre-law student should select one.

A. The student may earn a regular baccalaureate degree from the University of Southern Mississippi.

B. The student may earn a degree from the College of Arts and Sciences by completing three years of pre-law study and transferring back a year of work from the law school after it is completed. Under this program the following requirements must be met:

1) A minimum of 140 hours with 280 quality points in pre-law courses must have been completed, with at least four quarters of residence at the University of Southern Mississippi.

2) All core requirements must have been met for the College of Arts and Sciences.

3) At least one year of law school work must be transferred back, the marks for which must average C or better. The combined total of hours at the University of Southern Mississippi and those transferred back from law school must equal 192 or more. The work from the law school must be transferred back within two years of leaving the University of Southern Mississippi.

The student's attention is invited to the following courses that might be especially helpful in preparing for law school:

History 411, 469, and 470.

Political Science 407, 412, 434, and 485.

Public Address 101

The student should notice that most law schools now require an applicant for admission to have taken satisfactorily the Law School Admission Test. Some schools want this to be taken nine months before entering law school. The pre-law adviser can inform a student of the dates and places where this test is given, but the student must arrange for taking it.

RECOMMENDED PRE-ENGINEERING PROGRAM

Advisers: Munn, Kiess

The following curricula are set up to meet the requirements for admission to most engineering schools. The student should note that in each of the pre-engineering programs there are several electives allowed. A catalog from the selected engineering school should be consulted before the elective courses are chosen. Courses that are acceptable at many engineering schools are English 201 and 202; Economics 200 and 251; Public Address 101; Philosophy 203 or 300; Sociology 103; and Psychology 201.

FRESHMAN YEAR PROGRAM FOR ALL ENGINEERS

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
MAT 171	4	MAT 276	4	MAT 277	4
English 101	4	Chemistry 102	5	Chemistry 103	5
Chemistry 101	5	English 102	4	English 103	4
Ind. Arts 121	3	Ind. Arts 122	3	Pol. Sci. 101	4
ROTC	1	ROTC	1	ROTC	1
PE	1	PE	1	PE	1
BCS 50	0				
	18		18		19

CIVIL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
Elective	4	MAT 379	4	MAT 405	4
MAT 378	4	Physics 202	5	Physics 203	5
Physics 201	5	History 101	4	Geology 101	4
Ind. Arts 325	5	Elective	4	History 102	4
ROTC	1	ROTC	1	ROTC	1
	19		18		18

CHEMICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
MAT 378	4	MAT 379	4	MAT 405	4
Physics 201	5	Physics 202	5	Physics 203	5
Chemistry 304	4	Chemistry 305	4	History 102	4
Ind. Arts 325	5	History 101	4	Chemistry 405	5
ROTC	1	ROTC	1	ROTC	1
	19		18		19

ELECTRICAL AND MECHANICAL ENGINEERING PROGRAM—SECOND YEAR

Fall Qtr.	Hrs.	Winter Qtr.	Hrs.	Spring Qtr.	Hrs.
Elective	4	MAT 379	4	MAT 405	4
MAT 378	4	Physics 202	5	Physics 203	5
Physics 201	5	History 101	4	History 102	4
Ind. Arts 136	4	Elective	4	Ind. Arts 325	5
ROTC	1	ROTC	1	ROTC	1
	18		18		19

Secretarial Training

The two year program in secretarial studies is a terminal program for students who do not wish to pursue a baccalaureate degree but wish to prepare for secretarial employment. The program leads to a specialized certificate in secretarial training. Required courses are shown below:

	Hours
English 101, 102, 103	12
Public Address 101	4
Mathematics 100 or 101	4
Basic College Studies 50 (Non-credit)	0
Physical Education—(3 quarters)	3
Social Studies—Elect one course from the following for four hours	4
Political Science 101, History 101, History 102, Sociology 103, Geography 143, or Psychology 201	
Business Education 101, 102, and 310*	12

Business Education 201, 202, 305, 371, and 372*	20
Business Education 300	4
Business Education 352	2
Business Education 354	2
Business Education 385	4
Business Education 450	4
Business Education 460	4
Accounting 201 and 202	8
Economics 251	4
Finance 310	4
Elective	4
Total	99

*A student who has had one year of typewriting in high school will start his program with BED 102, and a year of shorthand in high school, with BED 202. The hours saved are to be used on the following courses: FIN 100, ECO 252, ACC 203, MKT 300, FIN 375, CIF 334, or the social studies courses listed in the general education requirements.

Academic Advisement

The Dean of the Basic College assigns all Basic College students to faculty advisers who work with students during fall orientation, provide assistance in schedule planning each quarter, and provide general academic information as requested by students. Adviser assignments are made on the basis of anticipated majors or interest areas with special advisers for students who have not selected majors. Regular faculty members with interests and abilities in working with students are chosen to serve in this capacity. Students, in turn, are encouraged to consult their advisers as needed and are required to consult them at least one time each quarter for schedule planning. **The quarterly schedule of a Basic College student must be approved in writing by his assigned adviser before he is permitted to register for that quarter.**

Orientation To University Life

The Basic College offers a non-credit course entitled **Orientation to University Life** which is designated Basic College Studies (BCS) 50. This course is required of all freshmen during their first quarter of attendance. The purpose of the course is to assist freshmen in their adjustment to University life. While enrolled in **Orientation to University Life,** freshmen have an opportunity to learn about the nature of a university, the nature of various academic disciplines, and the requirements and policies of the University of Southern Mississippi.

Academic Policies

Inasmuch as the emphasis in the Basic College is on required courses, these policies will be followed in implementing the Basic College program:

1. **Scheduling.** For the fall quarter only, some classes are assigned to entering freshmen. These classes might include English, history, political science, military science, and physical education, but will always be appropriate for the major indicated by the student on the application for admission to the University. Such fall quarter assignments cannot be changed without adequate justification. The fall quarter freshman, with the assistance of his assigned adviser will complete his fall quarter schedule around the assigned classes. For subsequent quarters, however, the freshman student will plan his entire schedule in consultation with his adviser.

Please note that the above procedure applies to entering freshmen for fall quarter only. Basic College students of other classifications and of other dates of entry must plan their entire schedules in consultation with assigned advisers. All Basic College students will be expected to schedule classes on the basis of availability. **Students will be expected to include late afternoon and evening classes in their schedules as deemed necessary by the University.**

2. **Schedule Changes.** Upon completion of regular registration and payment of fees, Basic College students will not be permitted to change their schedules without adequate justification. Part-time employment arranged after registration, early failing grades, and fear of failure are not adequate reasons for changing schedules. With the exception of class conflicts and unusual illnesses, there is little justification for schedule changes at the Basic College level.

3. **Military Science.** All physically qualified male students of the Basic College who have not had prior military service are required to complete six quarters of military science. Each full-time, male student, regardless of his academic program, must complete at least one military science course each quarter until the six quarters are completed. Medical exemptions are determined by the University physician and the Dean of the Basic College upon recommendation of the student's family physician. Other exemptions as well as a description of the required courses are discussed in the section of the **Bulletin** pertaining to the Department of Military Science.

4. **Physical Education.** Students are required to take three physical education courses during their freshman year. The required courses are discussed in the section of the **Bulletin** pertaining to the Department of Health, Physical Education, and Recreation. Medical exemptions are determined by the University physician and the Dean of the Basic College upon recommendation of the student's family physician. Students participating in varsity athletics, the Marching Band (Fall Quarter), the Dixie Darlings (Fall Quarter), and the Pom Pon Girls may substitute this for required physical education.

5. **Transfer from Basic College.** Students assigned to the Basic College may transfer to a degree-granting college or school, upon completion of sixty-four (64) quarter hours but must transfer prior to the completion of 132 quarter hours. Students must meet the following requirements for transfer:

a) Completion of at least sixty-four (64) quarter hours of credit
b) Completion of an overall quality point average of at least 2.0
c) Completion of freshman English
d) Selection of a major area of study
e) Completion of special school requirements such as the accounting and economics requirements for entry into the School of Business Administration.

Upon completing the above requirements, the student initiates a transfer to the college or school of his choice by obtaining an application from the dean of that college or school, completing the application as directed by that dean, and returning the completed application to that dean.

COLLEGE OF ARTS AND SCIENCES

Claude E. Fike, Dean

J. Frederick Walker, Associate Dean

PURPOSE

It is the purpose of the College of Arts and Sciences to provide a broad cultural and educational experience, specialized disciplines in major and minor fields, and pre-professional programs. Consult the **Graduate Bulletin** for post-baccalaureate programs.

A student wishing to enter the College of Arts and Sciences must complete the core requirements in the Basic College with an over-all C average, and then make application for transfer to the College of Arts and Sciences. He will then be assigned to the departmental chairman of his major field for academic advisement. The student should note the specific Bachelor of Arts or Bachelor of Science degree requirements of the College of Arts and Sciences as given below in order to complete as many of the required courses as possible in the Basic College prior to transfer. See departmental offerings for major and minor requirements.

For the **Bachelor of Arts Degree:**

The following courses must be taken **as part of or in addition to** the General Core Curriculum:

	Hours
English 202 and 306	8
Geography 103	4
Sociology 103 or 201	4
Philosophy 101	4
Public Address 101	4
Foreign Language**	12-24

**Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing the second-year sequence of courses in the same language for a total of twelve quarter hours.

For the **Bachelor of Science Degree:**

The following courses must be taken **as part of or in addition to** the General Core Curriculum:

	Hours
Mathematics (A student who is not majoring in one of the laboratory sciences may take eight hours of the required twelve in Computer Science.)	12
Science (Non-science majors may take Fundamentals of Science [eight hours of physical and eight hours of biological] **or** sixteen hours in any one or any combination of the laboratory sciences.)	16
Geography 103	4
Sociology 103 or 201	4
Philosophy 101 or 210	4
Public Address 101	4
Foreign Language	12

ORGANIZATION

The College of Arts and Sciences is organized into seventeen departments: Biology, Chemistry, Communication, Computer Science and Statistics, English and Literature, Foreign Languages, Geography, Geology, History, Mathematics, Military Science, Physics and Astronomy, Political Science, Religion and Philosophy, Science Education, Sociology, and Speech and Hearing Sciences. The Department of Military Science has no academic major or minor. Other departments offer both majors and minors.

A major and minor in Latin American Studies is administered by the College of Arts and Sciences and involves an inter-disciplinary curriculum. (See description below.) The College shares with the College of Education and Psychology joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science, and offering a major in general science for teachers.

HONORS PROGRAM

Wallace G. Kay, Director

The College of Arts and Sciences administers a University-wide Honors Program for the top fifteen students in each class, selected on the basis of previous academic records, recommendations, ACT scores, and personal interviews. The program is supervised by the Honors Council. Special classes are offered by separate disciplines for this program and an inter-disciplinary seminar is given each quarter under the supervision of the director.

Honors Colloquium 101, 102, 103, 201, 202, 203, 301, 302, 303, 401, 402, 403. One hour each.

Biology H382, **History** H101, H102; **Political Science** H101; **English** H102, H103, H201, H202; **Sociology** H103; **Psychology** H201; **Philosophy** H101, H210; **Astronomy** H301. 4 hours each.

LATIN AMERICAN STUDIES PROGRAM

Frank Virden, Director

The Latin American Studies Program offers a major and minor, described below, from several inter-University disciplines. The program is designed to prepare students for careers in government, business, teaching, or private organizations having Latin American interests. The program is comprised of the Basic College core curriculum, a major of forty-four (44) hours, and a minor of thirty-six (36) hours for either the Bachelor of Arts or Bachelor of Science degree. Students pursuing this program will be advised by an inter-disciplinary committee on Latin American Studies.

Requirements For Major

1. History 330 and 332	8 hours
2. Geography 418 or 420	4 hours
3. Political Science 480	4 hours
4. Economics 413	4 hours
Total	20 hours

and a total of twenty-four (24) hours elected from the following four-hour courses:

History 458, 459, 465
Geography 418, 420
Political Science 481, 482, 483
Economics 435, 436, 440

Major Total ..... 44 hours

Requirements For Minor

There will be a minor in Spanish with emphasis on Latin American understanding as follows:

1. Spanish 101, 102, 103	12 hours
2. Spanish 201, 202, 203	12 hours
3. Spanish 304, 307, 344	12 hours
Minor Total	36 hours

DEPARTMENT OF BIOLOGY (BIO)

Peter K. Stocks, Acting Chairman

Abbott, Brundage, Cleveland, Cliburn, Dawson, Fish, Fischer, Gunter, Harrises, A. Lewis, Pessoney, B. Smith, Walker, Yarbrough

The Department endeavors to prepare students to become research biologists, marine biologists, biology teachers, and fishery and wildlife biologists. The Department also offers courses in biology to meet all requirements of pre-professional training in the specialized fields of medicine, dentistry, medical technology, pharmacy, veterinary science, entomology, and marine biology.

Requirements for Major

A student majoring in biology may elect one of several alternative plans. He may elect either the Bachelor of Arts program, the Bachelor of Science Professional (for teachers), Bachelor of Science Non-professional, Master of Science in teaching of biology, Master of Science in combined sciences, and the Doctor of Philosophy. For the Master's and Doctor of Philosophy degrees consult the **Graduate Bulletin.** A student's choice of a degree program should be determined in consultation with his adviser and in keeping with the type of profession or vocation which he plans to enter. Biology 301-302, 339-340, 421-422, and 468-469 are sequential courses, and biology majors must take both courses for credit in either.

A. Curriculum—College Core

In meeting core curricula requirements for any of the undergraduate degrees listed above, the student majoring in biology should elect a full year of chemistry and a full year of physics in lieu of the minimum core requirements for the physical sciences.

B. Curriculum for biology teachers in the secondary schools who major in biology: The candidates for the Bachelor of Science professional degree are allowed to take only forty-four (44) quarter hours for their major selected from the following four groups of courses as indicated by their advisers:

1. BIO 101, 102, 103, 104 ..... 16 hours
2. BIO 301, 302, 438, 439 ..... 16 hours
3. BIO 314, 401 ..... 8 hours
4. BIO 339 or 400 ..... 4 hours

C. Curriculum for the Bachelor of Science or Bachelor of Arts Non-Teaching degree

1. General Requirements:

All majors in the Department of Biology, except those taking the Bachelor of Science teaching degree, must take a minimum of forty-eight (48) hours in the Department of Biology. Twenty-four (24) of the forty-eight (48) must be in courses numbered 300 or above. All majors are required to take Biology 101, 102, 103, 104, 314, and 401. In addition to the foregoing, those who major in zoology must take Biology 301 and 302; those who major in botany must take Biology 411 and 412; those who major in microbiology must take Biology 339 and 340; and those who major in biology must take Biology 301, 302 and 400, or Biology 438 and 439 in lieu of Biology 301 and 302. Organic Chemistry (CHE. 301, 302, 303) is required of all majors in the Department of Biology. A student is strongly urged to take as many additional courses in chemistry, physics, geology, and mathematics as possible, as the science of biology is closely integrated with these other sciences.

2. Requirements for Specialized Programs:

The pre-professional requirements for the specialized fields of medicine and medical technology are listed on preceding pages in the Basic College Section of this catalog.

The specialized programs are as follows:

BOTANY Major

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 314, 401, 410, 411, 412, 413, 438, 439, plus additional electives with approval of the adviser.

ZOOLOGY Major

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 301, 302, 314, and 401, plus additional electives with approval of the adviser.

MICROBIOLOGY Major

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 314, 339, 340, 400, and 401, plus electives with approval of the adviser.

Wildlife Biology Emphasis (Non-research positions)
(Zoology major)

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 301, 302, 314, and 401. Electives should include twelve (12) hours in wildlife subjects such as BIO 360, 435, 437, 481, and 482. At least twelve (12) hours in botany courses should also be taken.

Wildlife Biology Emphasis (Research positions)
(Zoology major)

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 301, 302, 314, and 401. Electives should include at least eighteen (18) hours from such subjects as BIO 360, 421, 422, 452, 468, and 469; at least twelve (12) hours of wildlife subjects such as BIO 435, 437, 481, 482, and 483; at least twelve (12) hours in botany courses; and at least twenty-four (24) hours in any combination of two or more of the following: chemistry, physics, mathematics, statistics, or geology.

Marine Biology Emphasis (Zoology major)

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 301, 302, 314, and 401. Electives should include BIO 400, 418, 419, 466, 479, 481, and 482. At least one summer at the Gulf Coast Research Laboratory is strongly urged. CHE 101, 102, 103, 301, 302, 303, 304, and 305 and PHY 101, 102, 103 are advised.

Fishery Biology Emphasis (Non-research positions)
(Zoology major)

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 301, 314, and 401. Electives should include ten (10) hours of aquatic subjects such as BIO 466, 479, and 484. Such courses as BIO 360, 418, 419, 452, 468, 469, 481, and 483 are also recommended.

Fishery Biology Emphasis (Research positions)
(Zoology major)

A minimum of forty-eight (48) hours which will include BIO 101, 102, 103, 104, 301, 302, 314, and 401. Electives should include twenty-four (24) hours of subjects such as BIO 360, 418, 419, 421, 422, 424, 452, 468, and 469. At least eight (8) hours in aquatic subjects such as BIO 409, 466, 479, and 484 are also recommended.

At least twenty-four (24) hours in any combination of two or more of the following: chemistry, physics, mathematics, or statistics.

In addition to the core requirements, certification requirements, and the departmental requirements, the student must complete requirements for a minor in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University. The minor field courses should be selected after consultation with the major professor.

The requirements for the Master of Science and Doctor of Philosophy are listed in the **Graduate Bulletin.** Students may take the Master of Science in biology with a minor in geology, physics, chemistry, health, or psychology.

GULF COAST RESEARCH LABORATORY

The University of Southern Mississippi is closely allied with the Gulf Coast Research Laboratory at Ocean Springs. Staff members and biology majors in both the graduate and undergraduate schools have been active participants in the work at the Gulf Coast Research Laboratory. It is strongly recommended that all majors in biology take at least a six-weeks program in marine biology as offered at the Laboratory. The following undergraduate courses are to be had only at the Gulf Coast Research Laboratory: Biology 429-G429, 431-G431, 454-G454.

BIOLOGY COURSES (BIO)

Introductory Courses

101—**Biology I.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
A study of fundamental biological principles at the molecular, cellular, and organic levels, and an introduction to taxonomic principles with a survey of the invertebrate phyla from the protozoa to echinodermata.

102—**Biology II.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Prerequisite: BIO 101.
A study of vertebrate taxonomy and systems; growth and development; basic principles of genetics, ecological systems.

103—**General Botany I.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Anatomy, physiology, and reproduction of the flowering plants.

104—**General Botany II.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Taxonomic and morphological study, emphasizing cultivation, collection, taxonomy, and physiology of representative members of the plant kingdom.

485-G485—**History of Biology.** Two hours.
For seniors and graduate students only.
Lectures and readings concerning the development and organization of the biological sciences; the development of biological principles and theories will be emphasized.

ZOOLOGY

101—**Biology I.** See Introductory Courses above.

102—**Biology II.** See Introductory Courses above.

228—**Human Anatomy.** Four hours.

Three lectures and one 2-hour laboratory period per week.
Prerequisites: BIO 101, 102, and 103.
Introductory course in human anatomy. Carries no credit for biology majors.

229—**Physiology.** Four hours.
Three lectures and one 2-hour laboratory period per week.
Prerequisites: BIO 101, 102, 103, 228 (majors may substitute BIO 301 and 302 for BIO 228). General chemistry recommended.
Principles of human physiology. This course carries major credit.

301—**Comparative Anatomy I.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Prerequisites: BIO 101, 102, and 103. Majors who take BIO 301 must also take BIO 302.

302—**Comparative Anatomy II.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Prerequisite: BIO 301.
A continuation of BIO 301; laboratory work devoted to study of the turtle and cat.

305—**Microtechnique.** Four hours.

One hour lecture and six hours laboratory per week.
Prerequisites: BIO 101, 102, and 103. Open to juniors and seniors, and others by special permission.

Techniques for preparing whole mounts and tissue slides.

314—**Cellular Physiology I.** Four hours.
Three hours lecture and one 2-hour laboratory per week.
Prerequisites: 8 hours of biology, 12 hours of chemistry.

An introductory study of the inorganic, organic, and physical aspects of living organisms with emphasis on the cell.

360—**Herpetology.** Four hours.

Two hours lecture and four hours laboratory per week.

Identification, preservation, and collection of all local species of amphibians. and reptiles. Discussions of southeastern United States zoogeography, and faunal problems. Field trips when possible.

382—**Genetics in Human Affairs.** Four hours.

Four hours lecture per week.

Prerequisites: BIO 101, 102, and 103 or permission of instructor.

The basic principles of genetics as illustrated by man. A survey of current knowledge of human heredity and applications of these principles to human affairs are discussed.

Not recommended for biology majors. Cannot be substituted for BIO 401.

400-G400—**Protozoology.** Four hours.

Two theory periods, and two 2-hour laboratory periods per week.

Prerequisites: BIO 101, 102, and 103.

Studies are made of parasitic and free-living protozoa concerning their anatomy and life histories. Vital stains and permanent mounts are utilized; students prepare some permanent mounts.

401-G401—**Genetics.** Four hours.

Prerequisites: BIO 101, 102, and 103.

The fundamental principles of heredity.

415-G415—**Cellular Physiology II.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: 12 hours of biology, including BIO 314, 12 hours inorganic chemistry, and either 8 hours of organic chemistry or 8 hours of analytical chemistry, plus 8 hours of mathematics.

A functional study of the inorganic, organic, and physical aspects of living organisms with emphasis on the cell.

418-G418—**Field Zoology: Macroscopic Invertebrates.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisites: BIO 101, 102, 103.

Collection, preservation, identification, and general biology of local, macroscopic, marine, fresh-water and terrestrial invertebrates. Field work as needed.

419-G419—**Field Zoology: Microscopic Invertebrates.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisites: BIO 101, 102, 103.

Collection, preservation, identification, and general biology of local, macroscopic, marine, fresh-water and terrestrial invertebrates.

421-G421—**Embryology I.** Four hours.

Two theory periods and two 2-hour laboratory periods per week.

Prerequisites: BIO 101, 102, 103, 301, and 302. Majors who take BIO 421 must also take BIO 422.

Embryology of vertebrates, especially the frog. Maturation, fertilization, cleavage, origin and development of germ layers, histogenesis, and organogenesis. Strongly recommended for majors.

422-G422—**Embryology II.** Four hours.
Prerequisite: BIO 421.
A continuation of Embryology 421. The embryological development of vertebrates, especially the chicken and the pig. Histogenesis and organogenesis of the chicken, the pig, and man.

424-G424—**Histology.** Four hours.
Three lecture periods and one 2-hour laboratory period per week.
Prerequisites: BIO 101, 102, and 103.
Microscopic anatomy for general students. Recommended for medical technologists, nurses, and biology majors.

427-G427—**Biogeography.** Two hours.
Two lectures per week.
A descriptive and analytical study of the distribution of plants and animals.

428-G428—**Advanced Genetics.** Four hours.
Prerequisites: BIO 101, 102, 103, 401.
A continuation of BIO 401. Study of phenotypic effects of genes, or radiations and other mutagens, population genetics, speciation, microbial genetics, and regulation of gene action.

430-G430—**Mammalian Physiology I.** Four hours.
Three hours lecture and one 2-hour laboratory per week.
Prerequisites: BIO 101-103, BIO 228, or 301-302.
A basic course in mammalian physiology. An in depth treatment of the major physiological systems of the normal mammal, with emphasis on the interrelationship of various systems and on the regulation of the internal environment.

431-G431—**Marine Vertebrate Zoology.** Nine hours.
Prerequisites: 12 hours in biology, including comparative anatomy.
A formal lecture and laboratory survey of all marine chordates, including the lower subphyla, the fishes, reptiles, mammals, and shore birds.
Summer quarter only. Taught at Gulf Coast Research Laboratory.

432-G432—**Mammalian Physiology II.** Four hours.
Prerequisites: Mammalian Physiology I.
Continuation of Mammalian Physiology I.

433-G433—**Medical Entomology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: 12 quarter hours of zoology.
The study of the various species of arthropods of medical importance.

435-G435—**Mammalogy.** Four hours.
Two hours lecture and four hours laboratory and field work per week.
Prerequisites: BIO 301, 302 recommended.
Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

436-G436—**Interpretation of Biological Data.** Four hours.
Prerequisites: MAT 103, BIO 401, 428.
Techniques applicable to the design and interpretation of biological research data.

437-G437—**Ornithology.** Four hours.
Two hours lecture and four hours laboratory and field work per week.
Prerequisites: BIO 301, 302 recommended.
Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

440-G440—**Physiological Genetics.** Four hours.

Four lecture hours per week.

Prerequisites: BIO 401 and 428.

Recent advances in physiological genetics. Attention will be directed to literature on the nature and action of genes and to the interaction of heredity and environment in the expression of the characteristics of higher organisms.

448-G448—**Comparative Animal Physiology.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: 16 hours of biology and 12 hours of chemistry.

A study of the physiological activities of different kinds of animals by comparing physiological and biochemical systems. Topics will be selected for detailed consideration in lectures with outside reading and class discussion.

449-G449—**Comparative Animal Physiology.** Four hours.

Prerequisites: Same as for BIO 448-G448.

A comparison of vertebrate physiological systems emphasizing the influence of the environment on the animal.

450-G450—**Principles of Nomenclature.** Two hours.

Prerequisites: BIO 101, 102, 103, and BIO 360 or BIO 466.

452-G452—**Entomology.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: BIO 101, 102, and 103.

A study of the principal groups of insects. Life habits, structural adaptations, life histories, natural habitats, classifications and the economic importance of certain species.

454-G454—**Marine Invertebrate Zoology.** Nine hours.

A study of the structure, natural habitats, classification and economic importance of invertebrate species native to the waters of the Mississippi Sound and around the outlying islands.

Summer quarter only. Taught at Gulf Coast Research Laboratory.

455-G455—**Experimental Embryology.** Four hours.

Prerequisites: BIO 421 and 422.

Emphasis on ascertaining the factors which activate or regulate developmental processes and devising experiments in which living embryos are made to supply data for the information desired.

466-G466—**Ichthyology.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: BIO 101, 102, 103.

Collection, preservation, and identification of local species of fishes and fish-like vertebrates, with primary emphasis on fresh water forms. Field work when possible.

468-G468—**Parasitology I.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: BIO 101, 102, 103. Majors who take BIO 468 must also take BIO 469.

The epidemiology, morphology, and importance of animal parasites, with emphasis on those affecting man.

469-G469—**Parasitology II.** Four hours.

Prerequisite: BIO 468 or G468 or consent of instructor.

A continuation of BIO 468.

479-G479—**Introduction to Biological Oceanography.** Four hours.

Prerequisite: BIO 481 or G481 and 482 or G482.

Introductory study of fundamentals of oceanography to acquaint the student with major ocean basins and their characteristic topography. Physical and chemical characteristics of sea water will be examined from biological viewpoint. The course is intended as prerequisite for BIO 515. Restricted to seniors and graduate students.

481-G481—**Ecology I.** Four hours.

Two hours lecture and four hours laboratory or field work per week.

Prerequisites: 24 hours of biology including a course in botany, 12 hours of chemistry, college algebra.

Interrelations between organisms and their environment. Biogeochemical cycles and nutrient distribution. Limiting factors, productivity and energy transfer in food chains. Ecological succession.

482-G482—**Ecology II.** Four hours.

Two hours lecture and four hours laboratory or field work per week.

Prerequisite: BIO 481.

Ecological effects of temperatures, light, rainfall, salinity. Relationship of respiration and osmoregulation to environmental factors. Population growth form.

483-G483—**Ecology III.** Four hours.

One hour lecture and a minimum of six hours laboratory per week.

Prerequisites: BIO 482 and senior standing, except by special permission.

Special field and laboratory problems in beginning ecological research under direction.

484-G484—**Limnology.** Four hours.

Lectures, laboratories, and field trips.

Prerequisites: BIO 102, 481, and 482 strongly recommended, junior standing, and permission.

A study of the physical, chemical, and biological conditions in lakes, ponds, and streams.

485-G485—**History of Biology.** Two hours.
See Introductory Courses above.

488—**Marine Zoology for Teachers.** Six hours.

Prerequisites: 12 quarter hours of biology. **No credit toward a major or minor in biology.**

Designed for teachers of biological science in elementary and secondary schools to become acquainted with marine life in the Gulf of Mexico. Trips to shrimping grounds, oyster reefs, and sea food processing plants will be made.
Summer quarter only. Taught at Gulf Coast Research Laboratory.

492—**Biological Problems I, II, III.** Two hours each.

Given only by special arrangement.

A course in special techniques, designed for majors with a need for certain basic biological techniques as tools for future research.

BOTANY

103—**General Botany I.** See Introductory Courses above.

104—**General Botany II.** See Introductory Courses above.

345—**Dendrology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisite: BIO 104.

The identification, taxonomic and ecological characteristics, and the distribution of trees.

409-G409—**Introductory Phycology.** Four hours.

Prerequisites: BIO 104 or General Bacteriology.

Consideration of the algae, nature, position, classification, and importance. Laboratory devoted to general procedures of cultivation, identification, and morphology.

410-G410—**Introductory Morphology of Plants.** Four hours.

Three hours lecture and two hours laboratory per week.

Prerequisite: Advanced standing in botany.

Laboratory devoted to study of extant and fossil vascular plants.

411-G411—**Plant Ecology.** Four hours.

Prerequisite: Advanced standing in botany.

Relationship of plants to their environment.

412-G412—**Plant Physiology I.** Four hours.

Two theory and two laboratory periods per week.

Prerequisite: General botany (Botany 104 or its equivalent). General chemistry and organic chemistry recommended.

Studies of basic physiological processes of green plants: greenhouse laboratory work.

413-G413—**Plant Physiology II.** Four hours.

Prerequisites: BIO 104, 412. General chemistry and organic chemistry recommended.

Studies of basic physiological processes of green plants: greenhouse laboratory work.

417-G417—**Taxonomy of Higher Plants.** Four hours.

Prerequisite: BIO 104.

A study of classification of both wild and cultivated seed plants.

423-G423—**Plant Anatomy.** Four hours.

A study of the anatomy of recent and fossil plants.

425-G425—**Introductory Mycology.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Bacteriology 339 and 340 or consent of instructor.

A study of the general classification of yeast and molds, their physiology and biochemical activities.

429-G429—**Marine Botany.** Four and one-half hours.

Prerequisites: General botany, plant taxonomy, and BIO 339.

A survey, based upon local examples, of the principal groups of marine algae, treating their structure, reproduction, distribution and general biology; including a survey of the common maritime flowering plants, their identification and ecology.

Summer quarter only. Taught at Gulf Coast Research Laboratory.

438-G438—**Botany I.** Four hours.

Two theory periods and two 2-hour laboratory periods per week.

A study of gross and microscopic structures, physiology, life cycles, and economic significance of the Thallophytes.

439-G439—**Botany II.** Four hours.

Prerequisite: BIO 438

A study of the Bryophytes and Pteridophytes.

MICROBIOLOGY

220—**Bacteriology.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: BIO 104. General chemistry recommended.

Bacteria in relation to higher plants and animals, particularly man. Their functions in the cycle of chemical transformation, in food production, and in general sanitation. A terminal course, not acceptable for admission to advanced courses in bacteriology. No credit for biology majors.

339—**General Bacteriology I.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: BIO 101, 102, 103 or 104. Organic chemistry recommended. Majors who take BIO 339 must also take BIO 340.

Introduction to basic principles of bacteriology.

340—**General Bacteriology II.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: General Bacteriology I, one year of inorganic chemistry. Organic chemistry recommended.

A continuation of BIO 339.

403-G403—**Food Bacteriology.** Four hours.

Two hours lecture and two 2-hour laboratory periods per week.

Prerequisites: BIO 339, 340, organic chemistry, or consent of instructor.

Microorganisms important in food; preservation and spoilage of food; food in relationship to diseases.

405-G405—**Public Health Bacteriology.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: BIO 339 and 340.

Schemes for isolation and identification of major groups of pathogenic bacteria.

406-G406—**Virology.** Four hours.

Prerequisites: BIO 339 and 340 and organic chemistry.

A study of representative bacterial, plant, and animal viruses with major emphasis on bacteriophages.

420-G420—**Soil Bacteriology.** Four hours

Two hours lecture and two 2-hour laboratory periods per week.

Prerequisites: BIO 339, 340, organic chemistry, or consent of instructor.

Study of soil microflora, emphasis on Nitrogen-Carbon cycle in environment.

441-G441—**Water and Sewage.** Four hours.

Two hours lecture and two 2-hour laboratory periods per week.

Prerequisites: BIO 339, 340, organic chemistry, or consent of instructor.

Control of purity water supply: sources and types of pollution, and control of sewage disposal.

442-G442—**An Introduction to Clinical Instrumentation.** Four hours.

Prerequisites: General chemistry and general biology.

This course is particularly designed for advanced medical technologists, to familarize them with instrumental procedures commonly encountered in modern medical technology. Particular emphasis will be placed on spectrophotometry, (visible and UV determinations) flame photometry and fluorescent antibody techniques.

444-G444—**Bacteriology**. Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: BIO 339, 340 and organic chemistry.

Special emphasis on advanced techniques in bacteriology.

447-G447—**Advanced Public Health Bacteriology**. Four hours.

Prerequisites: BIO 405.

Continuation of BIO 405-G405 on an advanced level. Schemes for isolation and identification of major groups of bacteria.

471-G471—**Immunology and Serology**. Four hours.

Two lectures and two 2-hour laboratory periods per week.

Prerequisite: Advanced standing in microbiology.

Studies of infection, resistance, types of immunity, hypersensitivity, and major techniques of diagnostic immunological reactions.

DEPARTMENT OF CHEMISTRY (CHE)

Robert T. van Aller, Chairman
J. Bedenbaugh, A. Bedenbaugh, C. Brent, Campbell, Hurst, Lane, Long, Newsom, Pinson, Thames, Wertz

A student planning to major in chemistry may elect either the Bachelor of Science or the Bachelor of Arts degree. For information concerning the Master's degree and the Doctor of Philosophy degree, see the **Graduate Bulletin.** A major in chemistry will include not less than forty-eight (48) quarter hours of chemistry.

The Department of Chemistry is accredited by the Division of Chemical Education of the American Chemical Society. A chemistry major may now graduate as a chemist certified by the American Chemical Society. In order to obtain this certified degree the following curriculum is prescribed.

Freshman Year

English 101, 102, 103
Chemistry 101, 102, 103
Mathematics 101, 102, 103
History 101, 102
Political Science 101
Physical Education
Basic College Studies 50 (Non-credit)

Sophomore Year

English 201, 202 or 433
Chemistry 301, 302, 303
Mathematics 171, 276, 277
Physics 201, 202, 203
Social Science 4 hours

Junior Year

Chemistry 304, 305, 405
Chemistry 401, 402, 403
Mathematics 378, 379, 405
German 101, 102, 103

Senior Year

Chemistry 431, 432 or 406, 496 or 425
German 221, 222
Social Science 8 hours
Philosophy 210
Allied Arts 100
Public Address 179
Elective—8 hours advanced science

SECONDARY EDUCATION

A major in chemistry for secondary education will include not less than thirty-six (36) hours and must consist of:

Chemistry 101, 102, 103
Chemistry 301, 302, 303
Chemistry 304, 305
Other courses may not be substituted.

CHEMISTRY COURSES (CHE)

In the sequence of courses the immediate lower number is prerequisite for the following course. Example: Chemistry 101 is prerequisite to 102 and 102 to 103.

101, 102, 103—**General Chemistry.** Five hours each.

Four theory periods and one 3-hour laboratory period per week.

Prerequisite: Algebra, or MAT 101 and 102 taken concurrently with CHE 101 and 102.

A course in general inorganic chemistry stressing fundamental principles and a comparative study of the elements. Emphasis upon fundamental laws, theories, and application.

121, 122, 123—**General Chemistry.** Four hours each.

Three theory periods and one double laboratory period per week.

A course in general inorganic chemistry stressing a general understanding of chemistry and the chemical industry. This sequence is not to be taken by chemistry majors and will not be accepted in that program, except when this series is transferred from another college or university and is approved by the chairman of the department.

251—**Organic Chemistry.** Four hours.

Three theory periods and one double laboratory period per week.

Prerequisite: CHE 103 or 123.

A short course in organic chemistry designed for students majoring in home economics. Aliphatic and aromatic hydrocarbons; the applications of organic chemistry to the home.

252—**Food Chemistry.** Four hours.

Three theory periods and one double laboratory period per week.

Prerequisite: CHE 251.

A brief course in the composition and properties of foods; proteins, carbohydrates, fats, and salts.

253—**Physiological Chemistry.** Four hours.

Three theory and one double laboratory period per week.

Prerequisite: CHE 252.

301, 302, 303—**Organic Chemistry.** Five hours each.

Three theory and two 3-hour laboratory periods per week.

Prerequisite: CHE 103 or equivalent.

A course intended to give the student a knowledge of the fundamental principles of the compounds of carbon. Reactions of organic compounds, their derivatives, their nomenclature, classification, relationships and general applications. Required of chemistry majors.

304, 305—**Analytical Chemistry.** Four hours each.

One theory period and three double laboratory periods per week. One hour recitation.

Prerequisite: CHE 103 or 123, preferably 103, concurrently with 401 and 402.

A course intended to give a knowledge of chemical equilibrium and the theories of quantitative analysis and a study of the techniques necessary in making gravimetric and volumetric determinations with an introduction to instrumental analysis.

370—**Pre-Medical Quantitative Analysis.** Four hours.

Two theory periods and six hours laboratory per week.

Prerequisite: CHE 206.

Not to be taken by chemistry majors.

371, 372—**Physical Chemistry for Pre-Medical and Biological Sciences Students.** Four hours each.

Three theory periods and one double laboratory period per week.

Prerequisites: MAT 103, CHE 305 or 370.

Those topics of physical chemistry of immediate application to the problems of pre-medical and biological work form the basis of this course, the gas laws, kinetics, equilibrium and free energy, electro-chemistry, pH, buffers, surface phenomena, colloids, and membrane phenomena.

Not to be taken by chemistry majors.

401-G401, 402-G402, 403-G403—**Physical Chemistry.** Four hours each.

Three hours theory and one 3-hour laboratory period per week.

Prerequisites: MAT 277 and CHE 303.

A mathematical treatment of the laws governing chemical and physical changes. A study of the fundamental principles of chemistry and physics in their relation to each other.

404—**Chemical Literature.** One hour.

One lecture per week.

Prerequisite: CHE 303 and 305.

The selection and use of the reference materials of chemistry; periodicals, journals, texts, patents, and other sources of information.

405-G405—**Instrumental Analysis.** Five hours.

Three hours lecture and four hours laboratory or library per week.

Prerequisites: CHE 206, 305, 402.

A course in the theory and use of analytical instruments such as colorimeters, polarimeters, ultraviolet, visible and infrared spectrophotometers, gas chromatographs, etc.

406-G406—**Qualitative Organic Analysis.** Five hours.

Two hours lecture and eight hours laboratory per week.

Prerequisite: CHE 206.

Emphasis on the systematic identification of pure organic chemicals and the analysis of mixtures.

410—**Glass Blowing.** Two hours.

One hour lecture and three hours laboratory per week.

A course covering fundamentals of glass blowing to enable the student to make common apparatus.

425-G425, 426-G426, 427-G427—**Biochemistry.** Five hours each.

Three lecture hours and one 4-hour laboratory period per week.
Prerequisite: CHE 303.

Fundamentals of biochemistry with emphasis on recent developments.

431, 432—**Inorganic Chemistry.** Four hours each.

Three hours lecture and one 3-hour laboratory period per week.

Prerequisite: CHE 403.

Theoretical aspects of valency, stereo chemistry, oxidation potentials, acid-base theories, nonaqueous solvents, coordination compounds, and nuclear chemistry.

474-G474—**History of Chemistry.** Four hours.

Four hours theory per week.

Prerequisite. Senior College standing.

496—**Special Projects I.** 1 to 4 hours.

Prerequisites: Calculus, CHE 206, 403, 405.

Available to chemistry majors during their last two quarters of residence, upon recommendation of the faculty of the Department of Chemistry. A course in library and laboratory research on a problem chosen in consultation with the adviser.

DEPARTMENT OF COMMUNICATION

Forrest D. Tucker, Chairman
Bishop, Cromwell, Everett, George, Gregory,
Gwin, Johnson, Waite, Willis

The Department of Communication offers majors in the following areas of study: communication, journalism, radio-television-film, public address, general speech education, and journalism education.

Majors and minors, even while in the Basic College, should confer with the chairman or area director to plan degree programs. Changes in the degree plan must be approved by the major adviser.

Majors are required to participate six quarters in at least one of three practical communications activities: **The Student Printz,** WMSU, or intercollegiate debate.

Majors and minors are responsible for fulfilling the Basic College core and College of Arts and Sciences requirements in addition to the specific requirements listed in the appropriate sections below.

Majors in public address, radio-television-film, or journalism may elect to minor in one of the other two divisions. Speech education and communication majors must minor outside the Department.

Communication

The communication major is designed to prepare students for careers in public relations or industrial communications. Candidates are advised to obtain practical experience in mass and interpersonal communications concurrent with their academic program. A broad background in the liberal arts and social sciences is desirable.

Students desiring a minor in communication should work out a program, in conjunction with their major adviser, from among these suggested courses: COM 200, 430, 447; JOU 102, 421, 422, 423; RTF 121, 422, 445.

Major requirements:	Hours
COM 200, 430, 447	12
JOU 102, 300, 421, 422, 423	17
PA 341	4
RTF 121, 320, 422	9

Minor requirements:

An academic minor can be selected with the Department's approval from one of the following areas: marketing, general business, computer science, psychology, English, social sciences, history, sociology, geography, political science. Students desiring other minor programs may so petition to the department chairman.

Public Relations Minor

Students outside the Department may secure a minor in public relations with the following recommended program:

COM 200, 350, 430, 447
JOU 421, 422, 423
RTF 422, 445

COMMUNICATION COURSES (COM)

200—**Survey of Mass Communication.** Four hours.

Introduction to public address, radio-television-film, and journalism as communication forms and media; surveys common methodology and interrelationships, as well as history, structure, social function, and effects of mass media.

205—**Introduction to the Film.** Four hours.

History and criticism of the motion picture as one form of public communication, with emphasis on instructional, documentary, public relations, and advertising applications.

350—**Mass Media and Public Opinion.** Four hours.

An analysis of the interdependent relationships between the structures, techniques, and purposes of the mass media and public opinion. Also investigates the influence of the media on social issues, cultural values, and consumer preferences.

430-G430—**Business and Industrial Communication.** Four hours.

Prerequisite: Consent of instructor.

Survey of problems and principles of communication within business and industrial organizations and professional associations.

447-G447—**Theories of Mass Communication.** Four hours.

Prerequisite: Consent of instructor or COM 200.

Analysis of similarities and differences of process, elements, and effects among interpersonal, newspaper, radio, and television; emphasis on construction and analysis of communication models.

451-G451—**Source Credibility and Public Image.** Four hours.

Analysis of communicator and media image as a variable in persuasion and propaganda; intensive study of source credibility effects in public relations, advertising, and political campaigning.

PUBLIC ADDRESS

Students majoring in public address are required to complete forty (40) hours. Specifically required courses include: PA 111, 230, 310, 341, and 361; JOU 102; RTF 121; COM 200. Up to sixteen (16) hours of COM courses can be counted toward meeting major requirements. Other courses are to be selected with the approval of the Director of Public Address. Course programs will be tailored to individual needs or to specified vocational preparation.

Students minoring in public address are required to complete twenty-eight (28) hours, of which PA 101, 230, and 341 are required. All minor programs are to be selected with the approval of the Director of Public Address.

Public address majors may elect minor programs in any area approved by the University. Recommended minors include: psychology, marketing, management, political science, history, sociology, journalism, radio-television-film, computer science and statistics.

PUBLIC ADDRESS COURSES (PA)

101—**Oral Communication.** Four hours.

Fundamentals of speaking and listening. Emphasis on research, organization, and presentation of ideas.

111—**Argumentation and Debate.** Four hours.

Analysis of the principles of argumentation with emphasis on the preparation of cases on national problems, issue development, and refutation.

201—**Parliamentary Procedure.** Two hours.

230—**Voice and Diction.** Four hours.

A course designed to improve delivery. Exercises in pronunciation, enunciation, volume control, and removal of regional diction errors.

250—**Advanced Oral Communication.** Four hours.

Prerequisite: PA 101 or consent of instructor.

Advanced performance course to provide proficiency in research, oral composition, delivery, and audience adaptation. Designed for students desiring specialized training in oral communication of ideas.

310—**Forensics.** One hour. (May be repeated for six hours credit.)

Intercollegiate forensic activity. Only two hours can be counted toward meeting public address degree requirements.

341—**Persuasion.** Four hours.

Humor, personality, motivation, reasoning, and evidence in their relationship to opinion and attitude change. Study of research in persuasion in advertising, social psychology, public opinion and propaganda, and rhetoric. Practical problems in the design and presentation of persuasive messages.

361—**Discussion and Group Leadership.** Four hours.

Methods from dynamic interaction, sociometry, sociodrama, and other aspects of group work as related to communication in small management, business and professional, and community service groups; development of leadership ability and integration in groups.

370—**Speech Composition.** Four hours.

Prerequisite: Consent of instructor.

Designed for the improvement of oral and written style; performance as well as theory.

432-G432—**Symbolic Function in Persuasion.** Four hours.

Prerequisite: Consent of instructor.

Synthesis of communication methodologies from general semantics, field theory and cybernetics; application to interdisciplinary problems.

438-G438—**Theories of Speech Behavior.** Four hours.

Prerequisite: Consent of instructor.

Interrelationships of psychology and communication, including communication theory, information theory, and psycholinguistics.

441-G441—**Advanced Persuasion.** Four hours.

Prerequisite: Consent of instructor or PA 341.

453-G453——**Campaign Speaking.** Four hours.

A study of voter-candidate relationship and issue development. Taught only during fall quarter of election year, state or national.

461-G461—**Advanced Discussion.** Four hours.

Prerequisite: PA 361.

Application of recent research in areas such as group dynamics to the problem-solving group; emphasis on development of group leadership and sensitivity.

JOURNALISM

Journalism majors are required to complete forty (40) hours, which must include the following courses: JOU 102, 103, 300, 301, 330, 401; RTF 121, 324; COM 200. Majors can count up to eight (8) hours of COM courses toward meeting major requirements. Majors may elect to specialize in news-editorial or advertising.

A minor program in journalism consists of a minimum of twenty-eight (28) hours. Courses should be approved by the Director of Journalism.

All majors and minors are required to do practical work on **The Student Printz.** Others are invited to participate in the publication of the paper.

JOU 102 is a prerequisite for all advanced courses unless waived.

JOURNALISM COURSES (JOU)

101—**Introduction to Journalism.** Four hours.

History, organization, techniques, and responsibilities of the media of mass communication, with emphasis on the newspaper. A first course for those students who have had little or no journalistic experience at the high school level.

102—**Beginning Reporting.** Four hours.

The study of gathering news and writing simple news stories. Study of leads, story structure, rewrites, follow-up assignments, polishing stories.

103—**Intermediate Reporting.** Four hours.

Writing of complex and special story types: speeches, conventions, interviews, law courts, business, government, politics, criticism, features, society, sports, and others.

300—**Journalism Laboratory.** One hour. (May be repeated).

Practical analysis of each issue of **The Student Printz.** Only four hours may be applied toward fulfilling major requirements; only two hours toward fulfilling minor requirements.

301—**Copy Reading.** Four hours.

Introduction to copy reading, headline writing, and make-up. Intensive practice in the principles and techniques of copy reading.

302—**Advanced Editing.** Four hours.

Intensive practice in preparing all types of news copy for publication.

303—**Newspaper Design and Make-up.** Four hours.

Prerequisite: JOU 301.

A study of the principles and mechanics of make-up, including a survey of typography.

311—**Feature Writing I.** Four hours.

Prerequisite: JOU 102 or consent of instructor.

Procedure and practice in gathering material for the writing of feature stories.

312—**Feature Writing II.** Four hours.

A more intensive writing course with the focus upon the preparation of feature stories for magazines.

330—**Press Photography.** Four hours.

The relationship of news photography to journalism and advertising; use of simple cameras, film developing, and printing; elements of writing cutlines and captions.

332—**Advanced Press Photography.** Four hours.

Advanced developing and printing of photographs. Contemporary problems in photojournalism. Pictures for wire transmission. Discussion of latest techniques, including color.

341, 342, 343—**Newspaper Advertising I, II, III.** Four hours each.

Principles and functions of advertising with emphasis on selling and promotion, preparation of advertising copy and layouts for newspaper.

355—**Editorial Writing.** Four hours.

Procedures and techniques of writing editorials with emphasis upon attitudes, policies, and style.

400—**History of Journalism.** Four hours.

Development of the newspaper in the United States from 1690 to present. The relationship of social, political, and economic factors to the evolution of the American press.

401—**Law of the Press.** Four hours.

Study of the precedents and present laws governing the print media, including news-editorial practices, advertising, photography; reviews libel, privilege, privacy, reporting trials, constitutional guarantees.

402—**Advanced Reporting.** Four hours.

A study of interpretative reporting. Completing the account, explanations, predictions, providing perspective. Current news problems.

403—**Specialized Reporting.** Four hours.

Governmental affairs get major emphasis. Labor, science, business, agriculture, social problems, sports, society and home economics are also covered.

421-G421—**Public Relations.** Four hours.

Total relationship of the institution to its audiences. Origin and development of public relations.

422-G422—**Publicity Methods.** Four hours.

An analysis of the media of communication and their relation to publicity. Mechanics of news releases, press conferences, photographs. Publicity function in the public relations department.

423-G423—**Public Relations Practices.** Four hours.

Prerequisite: JOU 421.

Analysis and evaluation of internal and external public relations practices; management of public and employee information programs; analysis of contemporary trends.

431—**Business and Professional Publications.** Four hours.

An analysis of the scope and function of institutional publications which will include research, writing, layout, and production.

443-G443—**Supervision of High School Publications.** Four hours.

A course designed to prepare high school teachers to direct the production of the high school newspaper and yearbook.

455—**Newspaper Organization and Management.** Four hours.

Focuses on the managerial aspects of newspaper production.

RADIO-TELEVISION-FILM

Students majoring in radio-television-film are required to complete forty (40) hours. Required courses include: RTF 121, 320, 321, 324, 424, 445. Other major requirements are PA 230, JOU 102, and COM 200.

Students minoring in radio-television-film are required to complete twenty-eight (28) hours, of which RTF 121 is required.

Radio-Television-Film majors may elect minor programs in any area approved by the University. Recommended minors include: public address, journalism, general business, marketing, history, psychology, or political science.

RTF 121, or its equivalent, is a prerequisite for all advanced courses in radio-television-film.

RADIO-TELEVISION-FILM COURSES (RTF)

121—**Introduction to Radio-Television-Film.** Four hours.

A survey of broadcasting. Students will participate in the operation of WMSU.

300—**Basic Cinematography.** Four hours.

Four hours lecture and one hour laboratory per week.

Theory and techniques of the effective use of the motion picture camera as both artistic and scientific recording instrument. Includes consideration of optic and light factors, composition and movement, film stocks, exposure, special effects, and camera mechanics.

320—**Radio Laboratory.** One hour (May be repeated).

Prerequisite: Consent of the instructor.

Operation of the campus radio station, WMSU. Practical work in all areas of station operation. Only four hours may be used to fulfill degree requirements for majors. Four additional hours will count as electives.

321—**Radio and Television Announcing.** Four hours.

Prerequisite: RTF 121.

324—**Broadcast Journalism.** Four hours.

Pictorial and audio reporting of current events.

325—**Radio Production.** Four hours.

Three hours lecture and two hours laboratory per week.

Theory and techniques of sound recording and mixing of special events programming, including microphone choice and placement, analysis of acoustic conditions, characteristics and mechanics of remote control consoles. art of tape editing, and special effects.

326—**TV Production.** Four hours.

A course designed to give the advanced broadcasting student an introduction into the area of video. Class meets at WDAM-TV.

350—**Programming Techniques.** Four hours.

Prerequisite: RTF 121, 321.

Theory and practice of effective commercial and educational radio-television programming.

360—**Special Techniques in Production.** Four hours.

Open to non-majors and non-minors. Analysis of programming in special areas: education, religion, public service, and politics.

420—**Theory and Practice of Sports Broadcasting.** Four hours.

Prerequisites: RTF 121, 320, 321.

Three hours lecture and two hours laboratory practice. Study of radio and television sportscasting, including regulations of the major sports, use of radio, television, and motion picture equipment involved in commentary, sports interviewing, and field experience.

422—**Radio and Television Advertising and Writing.** Four hours.
Prerequisite: RTF 121.

424-G424—**Radio and Television Law.** Four hours.
Prerequisite: Consent of instructor.

426-G426—**Radio Station Management.** Four hours.
Prerequisites: 12 hours of RTF courses above 121.

445-G445—**Audience Analysis.** Four hours.
Characteristics of audiences, measurement of attitudes and study of rating devices and methodologies; practical application.

450—**Advanced Television Production.** Four hours.
Prerequisite: RTF 326.
Student participation in producing a weekly television series.

460—**Problems in Broadcast Management.** Four hours.
Analysis of functional relationships in broadcasting with emphasis on union agreements, community service, and the financial structure of broadcasting stations.

492—**Special Problems in Radio-Television-Film.** Four hours.
Prerequisite: Consent of instructor.
Research on specific problems.

General Speech Education

The general speech education major is designed to prepare students academically and professionally to teach speech and supervise speech activities on the secondary level and to pursue graduate level study. The public address major working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements. The following program will fulfill the subject matter and professional requirements:

	Hours
PA 101, 111, 230, 310, 341, 361, 370	26
PA or COM electives above 300	4
COM 200	4
RTF 121	4
THE 111, dramatics elective	8
CIS minor requirements	36

Additional elective theatre courses are recommended. Consult the chairman of the Department of Theatre.

Journalism Education

The journalism education major is designed to prepare students academically and professionally to teach journalism and supervise publications on the secondary level and to pursue graduate level study. The journalism major working toward the Bachelor of Science teaching degree must meet general and professional education requirements, including a minor in secondary education, in addition to meeting departmental requirements.

Majors must complete forty (40) hours in journalism, including JOU 102, 103, 301, 302, 303, 330, 341, 355, 402, and 443. To meet the special requirements of Class A teaching certification, the candidate must also satisfy the requirements of a major in a related subject matter field, such as English or social science.

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS (CSS)

Danny R. Carter, Acting Chairman
Nagurney, Nissan, Phillippi

The Computer Science and Statistics Department is designed to meet the great demand for trained personnel in electronic computers, and statistics in business, space and missile programs, engineering, government, and the academic world. The Department provides training in digital as well as analog computer techniques. Current course offerings provide for an academic major and minor in computer science and statistics at the undergraduate level and a minor in statistics at the graduate level.

The Department has initiated a cooperative education program with industry for selective students during their senior year. The students selected for this program attend school and work on alternate quarters.

REQUIREMENTS FOR MAJOR

The courses required for a baccalaureate major in computer science are listed below by sets.

(A) CSS 210, 300, 310, 311, 410, 430
(B) CSS 400, 401, 402, 403, 404, 474
(C) CSS 415, 416, 425, 435, 436, 437

Requirements for Majors:

(1) Mathematics 379	
(2) All courses from set (A)	22
(3) Three courses from set (B)	12
(4) Two courses from set (C)	8
Total	42

A minor of twenty-eight (28) hours is also required. Suggested minors include the following: mathematics, physics, or statistics.

STATISTICS

CSS 435, 436, and 437—Theoretical Statistics
CSS 415, 416—Methods of Mathematical Statistics

The remainder of the thirty-six (36) hours is to be selected with the approval of the department chairman. Psychology 450 may be taken in the Department of Psychology and applied to a major or minor.

A minor of twenty-eight (28) hours is also required. Suggested minors include the following: computer science or mathematics.

COMPUTER SCIENCE COURSES (CSS)

200—**Statistical Methods I.** Four hours.

Prerequisite: MAT 100 or permission of instructor.

Sampling and sampling distributions: normal distributions, binomial distribution, measures of central tendency, measures of dispersion.

201—**Statistical Methods II.** Four hours.

Prerequisite: CSS 200.

Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

210—**Introduction to Programming Laboratory.** Two hours.

The use of problem oriented languages and peripheal equipment. Programming of problems and use of the computer.

300—**Introduction to Linear Programming Techniques.** Four hours.

Prerequisite: MAT 171.

Vectors and Euclidean spaces, linear transformations, convex sets and hyperplanes, theory of simplex method, the transportation problem.

310—**Digital Computer Programming.** Four hours.

Prerequisite: CSS 210.

Assembler language coding: registers, instruction formats, decimal and floating point arithmetic, I/O coding, system capabilities, program states.

CSS 311—**Advanced Fortran Programming.** Four hours.

Prerequisite: CSS 210 or equivalent.

Magnetic tape, disk and drum input-output; Boolean Algebra, subroutines, complex variables, Fortran generated languages, introduction to PL/I.

315-316-317—**Applied Techniques in Statistics and Engineering.** Four hours each.

Prerequisite: MAT 378 or equivalent.

Laplace transforms and their applications, least squares, Fourier series and integrals, convolutions, Gamma functions, Beta functions, Bessell functions, complex inversion integral and conformal mapping.

400—**Numerical Analysis I.** Four hours.

Finite-difference interpolation, numerical differentiation and integration, methods of solving linear and non-linear equations and systems of such equations, matrix computations.

401—**Numerical Analysis II.** Four hours.

Prerequisite: CSS 400.

Numerical solution of ordinary differential equations and systems of such equations both initial and boundary value.

402—**Numerical Analysis III.** Four hours.

Prerequisite: CSS 401.

Parabolic, elliptic and hyperbolic partial differential equations, the eigenvalue problem; stability.

403-G403—**Introduction to Analog Computers.** Four hours.

Prerequisite: MAT 379.

Design and testing of basic analog circuits.

404-G404—**Advanced Analog and Hybrid Systems.** Four hours.

Prerequisite: CSS 403.

Use of the analog computer to solve engineering problems.

410—**Computer Software I.** Four hours.

Prerequisite: CSS 310 or 311.

A study of single and multipass compilers, spectre language, macros, relocatible subroutines, compiler construction.

411—**Computer Software II.** Four hours.

Prerequisite: CSS 410 and MAT 277.

An in depth study of assemblers and compilers using the USM/360 Spectre simulation package.

412-G412—**Educational Statistics.** Four hours.

Prerequisite: Permission of instructor.

Elementary probability, conditional probability, binomial experiments, curve fitting, least squares techniques, correlation and regression models.

415-G415—**Methods of Mathematical Statistics I.** Four hours.

Prerequisite: MAT 276 or permission of instructor.

Continuous and discrete distributions, moments of distributions, point and interval estimation, hypothesis testing, power of tests, analysis of variance (one-way classification, orthogonal contrasts), two-way classification analysis of variance, fixed, random and mixed models.

416-G416—**Methods of Mathematical Statistics II.** Four hours.

Prerequisite: CSS 415.

Orthogonal polynomial contrasts, multi-way classification, simple linear

regression, multiple linear regression, polynomial regression, designs (simple randomized blocks, nested factorials), intra-class correlation, quality control.

420—**Theory of Approximations.** Four hours.

Prerequisite: MAT 379.

Interpolation, remainder theory, convergence theorems, uniform approximations, orthogonal polynomials and economization of power series.

425-G425—**Experimental Design.** Four hours.

Prerequisite: CSS 416.

Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding, response surface models.

427-G427—**Sampling Methods.** Four hours.

Prerequisite: CSS 416.

The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified random sampling, cluster sampling.

430—**Advanced Digital Computer Programming.** Four hours.

Prerequisite: CSS 210 or 310.

Advanced programming techniques using machine and symbolic languages, selected automatic languages such as ALGOL, COBOL, IPL*V and SIMSCRIPT.

435—**Theoretical Statistics I.** Four hours.

Prerequisite: MAT 378.

Basic concepts in probability, moments of distributions, characteristic functions, multivariate distributions, conditional distributions, transformations, Chebychev inequality, convergence in law, probability and convergence almost surely.

436—**Theoretical Statistics II.** Four hours.

Prerequisite: CSS 435.

Properties of estimators (unbiasedness, minimum variance, consistent, sufficient, etc.), Helmerts transformation, Central Limit Theorem, Cramer-Rao lower bound, uniformly most powerful test.

437—**Theoretical Statistics III.** Four hours.

Prerequisite: CSS 436.

Linear models, least squares estimators and their applications to certain designs, likelihood ratio.

450—**Systems Programming I.** Five hours.

451—**Systems Programming II.** Five hours.

These courses are available to students working in the cooperative education program. Students will train in one or two of the following areas: scientific, commercial, analog, hybrid, systems support, and data reduction programming. Students will attend seminars on computer and programming techniques. The work plan will essentially consist of the following: (1) indoctrination; (2) assist in making production runs; (3) make hand calculations for test cases; (4) assist in minor programming; and (5) assist senior programmer on a major program.

474-G474—**Boolean Algebra and Switching Circuits.** Four hours.

Prerequisite: Permission of instructor.

Symbolic logic and Boolean algebra for description and analysis of switching circuits, basic sequential circuits, digital systems design principles.

DEPARTMENT OF ECONOMICS (ECO)

(Bachelor of Arts)

Kenneth R. Grubbs, Chairman

Bonno, Daniels, Greene, Kenny, Lee, McQuiston, Swift, Whitesell, D. C. Williams, Wimberly

The economics program is designed to provide students with the specialized tools and knowledge required to analyze the important economic issues in human society. The curriculum affords the opportunity to achieve intelligent citizenship, private employment, governmental employment, and preparation for graduate study.

Economics is an ideal minor and is highly complementary to a major in any social science field. The recommended minor in economics outside the School of Business Administration consists of Economics 251, 252, 301, 302, 310, 330, 340, and 345. CSS 200 substitutes for Economics 301 and students taking that course should take CSS 201 in lieu of Economics 302.

A student majoring in economics or foreign trade and working toward the Bachelor of Arts degree must complete the requirements as outlined below. These include the Basic College core, the College of Arts and Sciences requirements, the Economics Department requirements, and the minor area requirements.

Economics course descriptions are found under the Department offerings listed in the School of Business Administration Section of this catalog.

SUGGESTED COURSE SCHEDULE

Freshman Year

	Hours
English 101, 102, 103—Freshman Composition	12
History 101, 102—World Civilization	8
Political Science 101—American Government	4
*Mathematics 101—College Algebra or MAT 112	4
Philosophy 101 or 210	4
Science	12
Military Science for men	3
Basic College Studies 50 (Non-credit)	0
Physical Education	3
Basic College Elective (for non-military science students)	4
	54

*Competent students may substitute a higher mathematics for this.

Sophomore Year

English 201, 202, 203	12
Public Address 101, 111; Allied Arts 100 (elect two courses from two fields)	8
Economics 251, 252	8
Geography 103, or Psychology 201, or Sociology 103 or 201	4
Foreign Language	12
Military Science for men	3
Basic College Elective (for non-military science students)	4
	51

Departmental Requirements

Major in Economics 36
- Economics 301—Elementary Statistics I (or CSS 200) 4
- Economics 302—Elementary Statistics II (or CSS 201) 4
- Economics 310—Economic History of the U.S. 4
- Economics 330—Money and Banking 4
- Economics 340—Price Theory 4
- Economics 345—Income Theory 4
- Economics 470—Comparative Economic Systems 4
- Economics (Electives) 8

*Minor requirements and electives** 54

*A minor of at least twenty-eight (28) hours may be selected from any department in the University in which a major is offered. Free electives may be taken in any department of the University.

**Students considering graduate work in economics should consult frequently with department advisers and are urged to take some mathematics courses beyond the minimum core requirements.

Major in Foreign Trade 68
- Accounting 201, 202 203—Principles of Accounting 12
- Finance 310—Business Law; Finance 389—Business Finance 8
- Political Science 457 or 458—International Politics or International Organization 4
- History or Geography (elective at 300-400 level) 4
- Economics 330—Money and Banking 4
- Economics 340—Price Theory 4
- Economics 345—Income Theory 4
- Economics 435—International Trade Theory 4
- Economics 436—International Economics Relations 4
- Economics 470—Comparative Economic Systems 4
- Economics (Elective) 4
- Foreign Language (three courses in addition to the B.A. language requirement) 12

Electives 22

DEPARTMENT OF ENGLISH AND LITERATURE (ENG)

Linwood E. Orange, Chairman

W. H. Anderson, J. Anderson, Bahr, Breland, Brinegar, M. C. Brown, R. Brown, Clinton, Downey, Eubanks, Everett, Grafton, Kay, McCartney, McCraw, McDaniel, McRaven, Moorman, Myers, H. Phillips, Pierle, Porter, M. Riley, Sanderlin, Simpson Sims, Skates, J. Smith, Stout, Strebeck.

Requirements for Major

A student majoring in English may elect one of several alternative plans. He may work toward the Bachelor of Arts degree, the Bachelor of Science teaching, or the Bachelor of Science non-teaching degree. For information concerning Master's or Doctor of Philosophy degrees, consult the **Graduate Bulletin**. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—Core and University Requirements

The student must select the appropriate core and additional University courses required for his degree as listed on preceding pages of this catalog.

B. Curriculum—Bachelor of Science Teaching Degree Requirements

In addition to the departmental requirements listed under C below and the general requirements for a Class A teaching certificate, the English major working toward the Bachelor of Science teaching degree must satisfy the following special requirements for a Class A teaching certificate: American literature, four hours (preferably English 300 or 301); English literature, four

hours; Shakespeare, four hours (English 423 or 425); and advanced grammar, four hours (English 433).

C. Curriculum—Departmental Requirements

The student wishing to major in English, regardless of his degree plan, must take forty-five (45) hours in the Department of English, of which twenty-four (24) hours must be in courses numbered 300 or above. Required of all majors are English 101, 102, 103, 201, 202, and 306, and at least one course from each of the following groups:

I. English 433, 434, 406, 408, 423, 425, 429, 443, 453, 479, 486, 487, and 488.

II. English 427, 435, 436, 444, 447, 451, 474, 480, and 483.

III. English 300, 301, 410, 414, 415, 416, 418, 419, and 485.

English 101, 102, 103, and 8 hours of sophomore literature are prerequisites for any English courses numbered 300 or above.

D. Curriculum—Minor and Electives

In addition to the core and University requirements, the certification requirements (where applicable), and the departmental requirements, the student majoring in English must also complete the requirements for a minor. The English major wishing to qualify as a part-time librarian will need sixteen (16) hours of library science—LS 302, 303, 315, 316. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

Requirements for Minors

The student minoring in English must take thirty-two (32) hours in the Department of English, of which twelve (12) hours must be in courses numbered 300 or above. Recommended for the minor are English 101, 102, 103, 201, 202, and one course from each of the three groups of courses designated under C above.

ENGLISH COURSES (ENG)

23—**Writing Laboratory.** No credit.

101, 102, 103—**English Composition I, II, III.** Four hours each. Each of the three courses is a prerequisite for the next.

201, 202—**Introduction to Literature I, II.** Four hours each. ENG 101, 102, and 103 are prerequisites for this sophomore series.

300—**American Literature I.** Four hours.

301—**American Literature II.** Four hours.

306—**Nineteenth- and Twentieth-Century English Literature.** Four hours.

332—**Advanced Expository Prose.** Four hours.

338-339—**Creative Writing.** Eight hours. 4-4.

Admission by permission of the instructor.

346—**The Literature of the Bible.** Four hours.

406-G406—**History of the English Language.** Four hours.

408-G408—**Introduction to Linguistics.** Four hours.

410-G410—**Colonial and Revolutionary American Literature, 1640-1820.** Four hours.

414-G414—**The American Literary Renaissance, 1820-1870.** Four hours.

416-G416—**The Rise of Realism in American Literature, 1870-1920.** Four hours.

418-G418—**The American Novel, 1920-1960.** Four hours.

419-G419—**Modern American Poetry.** Four hours.

420-G420—**American Drama.** Four hours.

423-G423—**Shakespeare's Comedies and Tragicomedies.** Four hours.

425-G425—**Shakespeare's Histories and Tragedies.** Four hours.

427-G427—**The English Novel from Defoe to Dickens.** Four hours.

428-G428—**The English Novel from Thackery to Woolf.** Four hours.

429-G429—**Sixteenth-Century English Literature.** Four hours.

430-G430, 431-G431, 432-G432—**Tutorial in Comparative Literature.** Twelve hours. 4-4-4.

433-G433, 434-G434—**Advanced Grammar and Rhetoric.** Eight hours. 4-4.

ENG 433 places emphasis upon mastery of the fundamentals of grammar to achieve effective instruction at the secondary school level. It is a prerequisite for 434-G434, which emphasizes recent non-traditional trends in the teaching of grammar and composition.

435-G435, 436-G436—**Nineteenth-Century Poetry and Prose.** Eight hours. 4-4.

443-G443, 444-G444, 446-G446—**Readings in World Literature I, II, III.** Twelve hours. 4-4-4.

445-G445—**Literary Criticism.** Four hours.

447-G447—**Major Writers of Eighteenth Century.** Four hours.

451-G451—**Restoration and Eighteenth-Century Drama.** Four hours.

453-G453—**Medieval English Literature.** Four hours.

473-G473—**Analysis of Poetry.** Four hours.

474-G474—**The Modern European Novel.** Four hours.

479-G479—**Development of English Drama to 1642.** Four hours.

480-G480—**Modern European Poetry.** Four hours.

483-G483—**Modern Drama.** Four hours.

485-G485—**Literature of the South.** Four hours.

486-G486—**Seventeenth-Century Prose and Poetry.** Four hours.

487-G487—**Milton.** Four hours.

488-G488—**Chaucer.** Four hours.

489-G489—**Literature and the Arts.** Four hours.

Prerequisite: At least one English course numbered 300 or above in a previous quarter or consent of the instructor.

DEPARTMENT OF FOREIGN LANGUAGES

Thomas T. Chisholm, Acting Chairman

I. Anderson, Craddock, J. A. Edwards, Fontecchio, R. Johnson, S. Johnson, R. Moorman, E. Neumann, Scheel, Siverio, Tomasziwskyj

Foreign Languages Majors and Minors: Candidates for either the Bachelor of Arts or the Bachelor of Science degree may choose a major or minor in French, German, Russian, or Spanish. The requirement for a major, in terms of hours, is twenty-four (24) quarter hours in courses numbered above 300 with a minimum of thirty-six (36) hours. Two college years (24 hours) or its equivalent in high school and college courses is the prerequisite to beginning study at the level of the major or minor. The requirement for a major is twelve (12) hours above 300, with a minimum total of twenty-eight (28) hours.

Suggested Curriculum for Bachelor of Arts Degree with a Major in French, German, Russian, or Spanish

Freshman and Sophomore Years

	Hours
Courses listed in Bachelor of Arts Core	
The first two years of major language*	24

Junior and Senior Years

Language to complete major**	12 to 24
Minor and electives	44 to 56

*Students who have had two years of a language in high school will take a placement test in order to determine the level at which they will begin their language study in the University.
**The phonetics course is required for French and Spanish majors.

Suggested Curriculum for Bachelor of Science Degree with a Major in French, German, Russian, or Spanish

Freshman and Sophomore Years

Courses listed in the Secondary Education Core.	
The first two years of major language*	24

Junior and Senior Years

Language to complete major**	12 to 24
Education 300, 313, 451I, 469, 481I	28
Psychology 319, 332	8
Fine Arts	4
Electives	30 to 42

*Students who have had two years of a language in high school will take a placement test in order to determine the level at which they will begin their language study in the University.
**The phonetics course is required for French and Spanish majors.

Related Majors: The major in foreign trade (see Economics, B.A.) and in Latin American Studies includes a study of the Spanish language and of Latin American literature and culture and automatically gives the student a minor in Spanish. Credit in French is accepted for Latin American students who major in foreign trade.

Language Laboratory: Language courses on the first and second year levels will meet five hours per week: four hours regular class sessions and one hour in the laboratory.

Registration for Courses: It is understood that a student, whether studying a foreign language as a part of his core curriculum, as a requirement in a related major, or as a major or minor in itself, will begin the language in the University at the level of his achievement at the time of entrance (to be determined by a placement test). If he should be placed in a language course above the beginning level, he will not receive University hours of credit for the courses not studied in the University.

Credit Transferred from Foreign Schools: Students wishing to transfer language credit from institutions outside the United States may be required to undergo examination to determine how to equate such credit and to establish the level at which study might be resumed here.

Class Attendance: Because of the special nature of teaching and learning a foreign language, a maximum amount of "contact time" is essential. Foreign language students, therefore, are expected to attend all classes except those from which they are excused due to reason of illness, administrative sanction, or the judgment of the instructor. The student is responsible for the homework assigned regardless of his reason for missing a class.

FOREIGN LANGUAGE COURSES

FRENCH (FRE)

I. Anderson, Chisholm, Craddock, J. A. Edwards, R. Johnson, S. Johnson

101, 102, 103—**First Year French I, II, III.** Four hours each.

201, 202, 203—**Second Year French I, II, III.** Four hours each.
Prerequisite: FRE 103, or the equivalent, and consent of the instructor.

305, 306, 307—**Introduction to French Literature I, II, III.** Four hours each.
Prerequisite: FRE 203 or the equivalent.

341—**Beginning Conversational French.** Four hours.
Prerequisite: FRE 203 or 103 and consent of the instructor.

342—**Advanced Conversation and Phonetics.** Four hours.
Prerequisite: FRE 203.

343—**Advanced Grammar and Composition.** Four hours.
Prerequisite: FRE 203.

405-G405—**French Classicism.** Four hours.
Prerequisite: FRE 307.

406-G406—**French Romanticism.** Four hours.
Prerequisite: FRE 307.

407-G407—**French Realism and Naturalism.** Four hours.
Prerequisite: FRE 307.

421-G421—**French Literature of the Twentieth Century.** Four hours.
Prerequisite: FRE 307.

492—**Advanced Readings in French.** Four hours.
Prerequisite: FRE 307.
May be repeated for credit when topics vary.

GERMAN (GER)

I. Anderson, Chisholm, R. Johnson, E. Neumann, Scheel, Tomasziwskij

101, 102, 103—**First Year German I, II, III.** Four hours each.

121, 122, 123—**First Year Scientific German I, II, III.** Four hours each.
Prerequisite: None
A beginning course in German for science majors.

201, 202, 203—**Second Year German I, II, III.** Four hours each.
Prerequisite: GER 123 or 103, or the equivalent, and consent of the instructor.

221, 222, 223—**Second Year Scientific German I, II, III.** Four hours each.
Prerequisite: **GER** 103, or the equivalent, and consent of instructor.

305, 306, 307—**Introduction to German Literature I, II, III.** Four hours each.
Prerequisite: GER 203 or the equivalent.

341, 342, 343—**Conversation and Composition I, II, III.** Four hours each.
Prerequisite: GER 203.

405-G405—**German Classicism.** Four hours.
Prerequisite: GER 307.

406-G406—**German Romanticism.** Four hours.
Prerequisite: GER 307.

407-G407—**German Naturalism and Expressionism.** Four hours.
Prerequisite: GER 307.

421-G421—**Contemporary German Literature.** Four hours.
Prerequisite: GER 307.

492—**Advanced Readings in German.** Four hours.
Prerequisite: GER 307.
May be repeated for credit when topics vary.

GREEK (GRE)

R. Moorman

101, 102, 103—**First Year Greek I, II, III.** Four hours each.

201, 202, 203—**Second Year Greek I, II, III.** Four hours each.
Prerequisite: GRE 103, or the equivalent, and consent of the instructor.

ITALIAN (ITA)

Fontecchio

101, 102, 103—**First Year Italian I, II, III.** Four hours each

201, 202, 203—**Second Year Italian I, II, III.** Four hours each.
Prerequisites: ITA 103, or the equivalent, and consent of the instructor.

LATIN (LAT)

R. Moorman

101, 102, 103—**First Year Latin I, II, III.** Four hours each.

201, 202, 203—**Second Year Latin I, II, III.** Four hours each.
Prerequisites: LAT 103, or the equivalent, and consent of the instructor.

PORTUGUESE (POR)

101, 102, 103—**First Year Portuguese I, II, III.** Four hours each.

RUSSIAN (RUS)

Tomasziwskij

101, 102, 103—**First Year Russian I, II, III.** Four hours each.

201, 202, 203—**Second Year Russian I, II, III.** Four hours each.
Prerequisites: RUS 103, or the equivalent, and consent of the instructor.

305—**Introduction to Russian Literature I.** Four hours.
Prerequisite: RUS 203 or the equivalent.
Survey of Russian literature from its beginning to the nineteenth century.

306—**Introduction to Russian Literature II.** Four hours.
Prerequisite: RUS 203 or the equivalent.
Survey of Russian literature of the nineteenth century.

307—**Introduction to Russian Literature III.** Four hours.
Prerequisite: RUS 203 or the equivalent.
Survey of Russian literature of the twentieth century.

341, 342, 343—**Conversation and Composition I, II, III.** Four hours each.
Prerequisite: RUS 203, or equivalent, and the consent of the instructor.

SPANISH (SPA)

I. Anderson, J. A. Edwards, Fontecchio, Scheel, Siverio

101, 102, 103—**First Year Spanish I, II, III.** Four hours each.

201, 202, 203—**Second Year Spanish I, II, II.** Four hours each
Prerequisites: SPA 103, or the equivalent, and consent of the instructor.

304—**Commercial Spanish.** Four hours.
Prerequisite: SPA 203.
Designed especially for majors in foreign trade and Latin American Studies. Letter writing and business forms.

305—**Survey of Spanish Literature up to 1700.** Four hours.
Prerequisite: SPA 203.

306—**Survey of Spanish Literature from 1700 up to the Contemporary Period.** Four hours.
Prerequisite: SPA 203.

307—**Survey of Latin American Literature.** Four hours.
Prerequisite: SPA 203.

341—**Beginning Conversation.** Four hours
Prerequisite: SPA 203. Offered in even calendar years.

342—**Advanced Conversation and Phonetics.** Four hours.
Prerequisite: SPA 203.

343—**Advanced Grammar and Composition.** Four hours.
Prerequisite: SPA 203.

344—**Hispanoamérica: Customs and Culture.** Four hours.

Prerequisite: SPA 203.

A civilization course designed to give majors in Latin American Studies an understanding of Spanish America. Conducted largely in Spanish. Offered in odd calendar years.

405-G405—**The Golden Age.** Four hours.

Prerequisite: SPA 305.

406-G406—**Nineteenth Century Literature of Spain.** Four hours.

Prerequisite: SPA 306.

407-G407—**The Generation of 98 and Contemporary Literature of Spain.** Four hours.

Prerequisite: SPA 306.

421-G421—**Cervantes and the Renaissance.** Four hours.

Prerequisite: SPA 305.

492—**Advanced Readings in Spanish.** Four hours.

Prerequisites: SPA 305, 306, or 307. May be repeated for credit when topics vary.

DEPARTMENT OF GEOGRAPHY (GHY)

Arthell Kelley, Chairman

Dunigan, R. Hatcher, Koos, McCutchen, McKee

A student majoring in geography may select one of several alternative plans. He may work toward either the Bachelor of Arts, the Bachelor of Science teaching, or the Bachelor of Science non-teaching degree. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—College Core

The student working toward either degree must include the appropriate core curriculum subjects for his degree. The student majoring in geography should elect Geography 103 among his core subjects.

B. Curriculum—Teaching Requirements.

The student working toward the B.S. teaching degree must include in his program the courses leading toward the Class A teaching certificate.

C. Curriculum—Department Requirements

1. General Requirements:

The student wishing to major in geography, regardless of his degree plan, must take forty-four (44) hours in the Department, of which twenty-eight (28) hours must be in geography courses numbered above 200. Required of all majors are Geography 103, 200, 203, 204, and 305. All majors should have twenty (20) hours in introductory courses, twelve (12) hours in regional courses, and twelve (12) hours in functional courses.

2. Students wishing to qualify for government service should have forty-five (45) hours in geography.

D. Curriculum—Minor and Electives

In addition to the core requirements, the certification requirements, and the departmental requirements, the student majoring in geography must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

Requirements for Minor

The student minoring in geography must take twenty-eight (28) hours in the Department of which twenty (20) hours must be in geography courses numbered above 200. Recommended for the minor are GHY 103 or 305 and 370.

GEOGRAPHY COURSES (GHY)

103—**Principles of Global Geography.** Four hours.
An introductory course in world regional geography.

200—**Cartography.** Four hours.
An introductory course in methods of map-making.

203—**Physical Geography.** Four hours.

A study of selected elements of physical geography: earth-sun relations, climate, natural vegetation.

204—**Physical Geography.** Four hours.
A study of selected elements of physical geography: land forms, water resources, and soils.

231—**Geography of Mississippi.** Four hours.
A regional geography of Mississippi.

301—**Cultural Geography.** Four hours.
A study of the human occupance of the earth emphasizing population distribution, cultural regions, and processes of man's modification of the earth.

305—**Introductory Economic Geography.** Four hours.
A study of the leading commodities, minerals, and industries of the world in their regional settings.

370—**World Political Geography.** Four hours.
A study of geography and politics in a world divided.

376—**Conservation of Natural Resources.** Four hours.
A study of the problems of conservation of the natural resources of the United States.

410-G410—**Geography of the United States and Canada.** Four hours.
A regional study of Anglo-America.

412—**Aerial Photograph Interpretation.** Four hours.

418—**Geography of South America.** Four hours.
A regional study of South America.

420—**Geography of the Caribbean Countries.** Four hours.
A regional study of Mexico, Central America, and the West Indies.

431—**Geography of the South.** Four hours.

433—**Geography of Southwest Asia.** Four hours.
A regional geography of the Middle East.

437-G437—**Geography of USSR.** Four hours.
A regional survey of the physical, economic, and cultural geography of the U.S.S.R.

438—**Geography of Europe.** Four hours.
A regional study of Western, Southern, and Eastern Europe.

439-G439—**Geography of Monsoon Asia.** Four hours.
A regional study, with emphasis on India, China, Japan, and Indonesia.

440—**Geography of Africa.** Four hours.
A regional study of Africa with emphasis on the Sub-Sahara regions.

441—**Geography of Australia and Pacific Islands.** Four hours.
Regional geography of Australia and the Pacific Islands.

445-G445—**Industrial and Commercial Geography.** Four hours.
Includes a short survey of geographic principles governing secondary and tertiary production.

450-G450—**Physiography of North America.** Four hours.
Prerequisite: GLY 101 and 103 or consent of instructor.
A study of character of the physiographic provinces of North America.

460-G460—**Historical Geography.** Four hours.
A study of how geography has influenced exploration, settlement, political, and industrial development in America.

480-G480—**Climatology.** Four hours.
Analysis of climatic control and elements; climate conditions in each of the continents.

484-G484—**Urban Geography.** Four hours.
Nature, distribution, principal functions of urban settlements and supporting areas, with emphasis on the United States and local field study.

485-G485—**Field Geography.** Four hours.
A study of the techniques of reconnaissance and detailed field work, including classification of natural and cultural features and preparation of reports and maps based on field data. Instruction will cover the use of the compass and hand level, the plane table, and aerial photographs in field mapping.

486-G486—**Urban Field Methods, Problems and Techniques.** Four hours.
Field procedures in analysis of the spatial, morphological, and functional traits of the city and its urban fringe areas. Individual field problems in urban landuse and transportation.

490—**Problems in Geography.** Four hours.
Undergraduate majors only.

DEPARTMENT OF GEOLOGY

Richard Lee Bowen, Chairman
B. W. Brown, Paulson, de Ratmiroff

A student majoring in geology may elect either the Bachelor of Arts or Bachelor of Science degree program. He should satisfy his core requirements for either degree during his freshman and sophomore years and at the same time complete one year of chemistry, mathematics through analytical geometry, and Geology 101, 103, and 260.

For the Bachelor of Science in geology, the following courses, in addition to the requirements of the Basic College and the College of Arts and Sciences, are required:

Mathematics (through analytic geometry)	12-16 hours
Chemistry 101-102-103 (or 121-122-123)	12-15 hours
Physics 101-102-103 (or 201-202-203)	15 hours
Geology 101, 103, 201, 260, 302, 303, 310, 314, 330, 401, and four other hours from departmental offerings	44 hours
Summer Field Camp (GLY 480)	9 hours

A minor of twenty-eight (28) hours is also required. Suggested minors include the following: biology, chemistry, physics, mathematics, computer science, or geography.

SUGGESTED GEOLOGY 4-YEAR CURRICULUM

A curriculum which prepares the student for professional employment or advanced study in geology is suggested below (students wishing to prepare for careers in paleontology, geochemistry, geophysics, or oceanography should consult with the departmental chairman regarding desirable modifications from this curriculum).

Freshman Year*

Fall	Winter	Spring
CHE 101	CHE 102	CHE 103
ENG 101	ENG 102	ENG 103
GLY 101	GLY 103	GLY 201
MAT 101	MAT 103	MAT 171
BCS 50		

Sophomore Year*

Fall	Winter	Spring
PHY 101 (or 201)	PHY 102 (or 202)	PHY 103 (or 203)
ENG 201	PSY 201 or SOC 103 or 201	Allied Arts 100
HIS 101	HIS 102	GHY 103
GLY 260	PHI 210	ECO 201 or 251

Junior Year

Fall	Winter	Spring
GLY 330	GLY 310	GLY 314
ENG 332	GLY 302	GLY 303
CHE 304	CHE 305	PA 101
PS 101	CSS 200	Elective
	Summer Field Camp (9)	

Senior Year

Fall	Winter	Spring
CHE 371	CHE 372	GLY 420, 422, or 445
GER, FRE, or RUS I	GER, FRE, or RUS II	GER, FRE, or RUS III
GLY 401	GLY 311	GLY Elective
Minor Elective (300 or over)	Minor Elective (300 or over)	Minor Elective (300 or over)

*Three quarters of physical education are required of all sudents in either the freshman or sophomore years, and ROTC is required for all male sudents (six quarters) in freshman and sophomore years.

At the discretion of the Department nine specified quarter hours from geology, mathematics, physics, chemistry, or biology may be substituted for Geology 480. Normally this substitution is permitted only for women students and physically handicapped students.

The Department has a cooperative arrangement with the Gulf Coast Research Laboratory. Certain courses in marine sedimentation may be taken at the Laboratory; these are generally taught in the summer.

GEOLOGY MINOR AND PREPARATION FOR SECONDARY EDUCATION, EARTH SCIENCE TEACHING

The following courses are suggested for students seeking a geology minor or preparation for earth science teaching in secondary schools: GLY 101, 103, 201, 203 or 479, 260, 310 and 314, or 302.

GEOLOGY COURSES (GLY)

101—**Physical Geology.** Four hours.
Three lectures and two hours laboratory per week.
An introduction to earth science, including the physical processes responsible for shaping the major features of the landscape; laboratory study of common minerals and rocks and various geologic processes. A half-day field trip may be required.

103—**Historical Geology.** Four hours.
Three lectures and two hours laboratory per week; field trip required.
Prerequisite: GLY 101.
A study of earth history as revealed in the character and fossil content of rocks.

201—**Geomorphology.** Four hours.
Two lectures and four hours laboratory per week; field trips.
Prerequisites: GLY 101 and 103.
Study of the landscape and its origin through geologic processes, with examples illustrated by topographic maps, air photographs, and field observation.

203—**Introduction to the Geology of the Southeastern States.** Four hours.
Two hours lecture and four hours laboratory per week; field trips.
Prerequisites: GLY 101 and 103.
An introduction to the geology of the southeastern states; field trips in Mississippi and adjacent states.

260—**Introduction to Minerals and Rocks.** Four hours.
Two hours lecture and four hours laboratory per week; field trips.
Prerequisite: GLY 101, CHE 102 or 122.
Elementary crystallography, sight recognition of the more common minerals with intensive study of the diagnostic rock-forming minerals; introduction to rocks.

302—**Invertebrate Paleontology.** Four hours.
Two lectures and four hours laboratory per week; field trips.
Prerequisites: GLY 103 and permission of instructor.
Invertebrate fossils from the Protozoa through Conodontophoridia with attention to taxonomy, morphological features, and geologic distribution.

303—**Paleoecology.** Four hours.
Two lectures and four hours laboratory per week; field trips.
Prerequisite: GLY 302.
A study of the relationship between ancient organisms and the environment in which they lived.

310—**Mineralogy.** Four hours.
Two hours lecture and four hours laboratory per week; field trips.
Prerequisites: GLY 260 and either CHE 103 or CHE 123. The chemistry may be taken concurrently.
Physical, descriptive, chemical, and determinative mineralogy.

311—**Optical Mineralogy.** Four hours.
Three hours lecture and two hours laboratory per week.
Prerequisites: GLY 310 and MAT 103.
Introduction to optical mineralogy.

314—**Petrology.** Four hours.
Three hours lecture and two hours laboratory per week; field trips.
Prerequisite: GLY 260; GLY 310 recommended.
A study of the origin, description, and classification of igneous, sedimentary, and metamorphic rocks.

330—**Structural Geology.** Four hours.
Two hours lecture and four hours laboratory per week; field trips.
Prerequisites: GLY 103 and MAT 103.
Principles of rock deformation.

401—**Principles of Stratigraphy.** Four hours.
Four hours lecture; week-end field trip.
Prerequisites: GLY 260, 302, 330.

420-G420—**Sedimentology.** Four hours.
Two hours lectures and four hours laboratory per week.
Prerequisites: GLY 314, PHY 103 (or 203).
Study of sedimentary materials, their formation, transportation, deposition, and lithification. Field trips.

422-G422—**Petroleum Geology.** Four hours.
Two hours lecture and four hours laboratory per week.
Prerequisites: GLY 314, 330, 401.
The origin, occurrence, and accumulation of oil and natural gas; field trips.

430-G430—**Elements of Geochemistry.** Four hours.

Three lectures and one laboratory per week.

Prerequisites: GLY 101, CHE 103 or equivalent, and consent of instructor.

Geochemical cycles of the atmosphere, hydrosphere, and lithosphere. Concentration controls. Geochemical effects in earth history. Techniques of geochemical exploration.

431-G431—**Elements of Geophysics.** Four hours.

Three lectures and one laboratory per week.

Prerequisites: GLY 101, MAT 103, PHY 103 (or 203), and consent of instructor.

Terrestrial magnetism and electricity, gravitational field variations and measurements, seismic reflection and refraction, nuclear geology, surface and subsurface measurements. Concepts and significance of geophysical variations.

445-G445—**Economic Geology.** Four hours.

Three hours lecture and two hours laboratory per week.

Prerequisites: GLY 310, 314, and 330.

Principles of ore deposits; introduction to fuels and non-metallic minerals deposits. Written reports will be required; field trips.

452-G452—**Physical Marine Geology.** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisites: GLY 103, 310, and 420, or permission of instructor.

A general introduction to the physical processes at work on the shores of Mississippi Sound with emphasis on the erosional and depositional effects of waves and currents at different stages of tide.

453-G453—**Chemical Marine Geology,** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisites: GLY 103, 310, 420, and CHE 201 and 203, or permission of instructor. Supervised research in the chemistry of the waters and sediments of Mississippi Sound.

454-G454—**Problems in Marine Sedimentation.** 1½ hours per week, but not to exceed 6 weeks or 9 quarter hours. Gulf Coast Research Laboratory.

Prerequisite: Permission of instructor.

Supervised study of selected aspects of marine sedimentation along the Gulf Coast.

461-G461—**Petrography.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisites: GLY 311 and 314.

Systematic study of rocks by means of the polarizing microscope.

468-G468—**Micropaleontology I.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisites: GLY 302 and 303.

Taxonomy, morphology, and stratigraphic use of Foraminifera; field trips.

469-G469—**Micropaleontology II.** Four hours.

One hour lecture and six hours laboratory per week.

Prerequisites: GLY 302 and 303.

Taxonomy, morphology, and stratigraphic use of Ostracoda; field trips.

479-G479—**Introductory Oceanography.** Four hours.

Three hours of lecture and two hours of laboratory per week. Field trips.

Prerequisites: GLY 103, PHY 103, CHE 103 or equivalent, and consent of instructor.

Techniques and results of study of the oceanic hydrosphere and its interfacial relationships with the lithosphere and atmosphere.. Interdisciplinary approaches especially suitable for training in science education programs are emphasized.

480—**Geology Summer Field Camp.** Nine hours.
1½ hours credit per week in the field.
Prerequisites: GLY 101, 103, 260, and 330.
Geologic field methods, collection of field data, and compilation of geological reports.

485—**Problems in Geology.** Four hours.
Prerequisites: Senior standing and permission of the department head.
Independent study or research designed for the needs of individual students.

DEPARTMENT OF HISTORY (HIS)

J. Treadwell Davis, Chairman

Bowers, R. Brent, Coker, Fike, Gonzales, Harper, McCarty, Posey, Scarborough, Skates, Turner.

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Bachelor of Science, the Master of Arts, the Master of Science, and the Doctor of Philosophy. For the Master's and doctorate degrees please consult the **Graduate Bulletin.**

Major Requirements

A baccalaureate student majoring in history may elect one of three degree plans: the Bachelor of Arts; the Bachelor of Science non-teaching; or the Bachelor of Science teaching degree with a license in social studies for secondary schools. His choice of degree program should be determined by his plans for the future and in close conjunction with his adviser.

A. Curriculum—Basic College Core

The student working toward any degree must include in his curriculum the required core subjects.

B. Curriculum—Professional Requirements

The history major working toward the B.S. teaching degree with a secondary school license in social studies must include in his program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses, either as core or as electives: Economics 200 (or 251 and 252), Geography 370, Political Science 101 (required as core), History 367, and Sociology 103 or 201.

C. Curriculum—Departmental Requirements

The student majoring in history, regardless of his degree plan, must take History 101, 102, 251, and 252. History 101 and 102 will not count toward the thirty-six (36) hours required for a major.

Minor Requirements

The student minoring in history must take twenty-eight (28) hours in history courses numbered above 102. History 101 and 102 are prerequisites for advanced courses in European History; History 251 and 252 are prerequisites for advanced courses in United States History.

Requirements to teach social studies as a second field

Students wishing to teach social studies in secondary schools as a second field (most high schools in Mississippi desire teachers certified to teach in more than one field) should take the following courses, either as core or as electives:

History 101, 102, 251, 252, and 367	20
Secondary Education 451L	4
Political Science 101 (core requirement)	4
Economics 200 (or 251 and 252)	4 or 8
Sociology 103 or 201	4
Geography 370	4
Social Studies electives	8 or 4

This list is designed to cover the principal social studies fields a high school teacher might be called upon to teach.

HISTORY COURSES (HIS)

Students should not enroll in advanced history courses without having taken the appropriate European or American survey courses: History 101 and 102, or History 251 and 252.

Three hundred level courses should usually precede four hundred level courses. In no case should a student take a three hundred level course after having taken a four hundred level course in that specific field.

Economics 310, Religion 324, 408, and 409 and Political Science 400, 402, 404 may be elected as history if approved by the student's adviser. No more than eight (8) hours of these courses may be counted as history credit.

101—**World Civilization to 1648 A.D.** Four hours.

102—**World Civilization Since 1648 A.D.** Four hours.

251—**United States to 1877.** Four hours.

252—**United States Since 1877.** Four hours.

300—**The Ancient World.** Four hours.

305—**The Middle Ages.** Four hours.

307—**Renaissance.** Four hours.

309—**Reformation.** Four hours.

320—**Early English History.** Four hours.

322—**Modern English History.** Four hours.

330—**Colonial Latin America.** Four hours.

332—**Modern Latin America.** Four hours.

367—**Mississippi History.** Four hours.

370—**U.S. Military History.** Four hours.

391—**Traditional China.** Four hours.

392—**Modern China.** Four hours.

401-G401—**Russia to 1800.** Four hours.

402-G402—**Nineteenth Century Russia.** Four hours.

403-G403—**Russia Since 1917.** Four hours.

404-G404—**Russian Intellectual History.** Four hours.

405-G405—**The Cold War Issues.** Four hours.

411-G411—**English Constitutional History.** Four hours.

413-G413—**Western Intellectual History.** Four hours.

421-G421—**Ancient Greece.** Four hours.

423-G423—**The Roman Republic and Empire.** Four hours.

424-G424—**Medieval World I, Economic and Social History.** Four hours.

425-G425—**Medieval World II, A Cultural History.** Four hours.

427-G427—**The Age of Absolutism in Europe, 1648-1789.** Four hours.

430-G430—**Modern Germany.** Four hours.

432-G432—**French Revolution and Napoleon.** Four hours.

433-G433—**Europe, 1815-1870.** Four hours.

434-G434—**Europe, 1870-1918.** Four hours.

435-G435—**Europe, 1918-1939.** Four hours.

436-G436—**Europe Since 1939.** Four hours.

437-G437—**Modern France.** Four hours.

439-G439—**Tudor-Stuart Britain.** Four hours.

441-G441—**Nineteenth Century Britain.** Four hours.

442-G442—**Twentieth Century Britain.** Four hours

445-G445—**The British Commonwealth.** Four hours.

451-G451—**United States Intellectual and Social History to 1865.** Four hours.

453-G453—**United States Intellectual and Social History Since 1865.** Four hours.

455-G455—**The Old South.** Four hours.

457-G457—**The New South.** Four hours.

458-G458—**New Spain, 1519-1821.** Four hours.

459-G459—**History of Mexico.** Four hours.

465-G465—**The Spanish Borderlands.** Four hours.

469-G469—**United States Constitutional History to 1861.** Four hours.

470-G470—**United States Constitutional History Since 1861.** Four hours.

475-G475—**United States Foreign Relations to 1914.** Four hours.

477-G477—**United States Foreign Relations Since 1914.** Four hours.

481-G481—**Colonial America, 1607-1754.** Four hours.

482-G482—**Revolutionary Era, 1754-1789.** Four hours.

484-G484—**American Political Leaders.** Four hours.

492-G492—**Special Problems, I, II, III.** One hour each.

495-G495—**Age of Hamilton, Jefferson, and Jackson, 1789-1840.** Four hours.

496-G496—**The Sectional Controversy and the Civil War, 1840-1865.** Four hours.

497-G497—**Reconstruction and the Emergence of Modern America, 1865-1898.** Four hours.

498-G498—**The Progressive Era, World War I, Prosperity and Depression, 1898-1933.** Four hours.

499-G499—**The New Deal, World War II, and Post-War America, 1933-present.** Four hours.

DEPARTMENT OF MATHEMATICS (MAT)

B. O. Van Hook, Acting Chairman

D'Aquilla, Dunigan, Essary, Felder, Hare, Karolyi, King, Maples, Munn, C. Ratcliff, R. Ratcliff, Webster

The Department of Mathematics offers a major and minor for students who are candidates for the Bachelor of Arts or the Bachelor of Science, the Master of Arts or the Master of Science degrees. Also, graduate study beyond the Master's degree is available, anticipating the granting of the Doctor of Philosophy degree in the near future. For information concerning the Master's degrees and graduate study beyond the Master's degree, consult the **Graduate Bulletin.** The courses required for a baccalaureate major are listed below by sets in order to facilitate the proper selection of course sequences.

(A) Mathematics 276, 277, 378, 379

(B) Mathematics 405, 326, 341

(C) Mathematics 401, 406, 407, 411, 415, 416, 418, 420, 423, 424, 425, 426, 431, 435, 441, 442, 443, 461, 462, 471, 472, 473

Requirements for Majors:	Hrs.
(1) All courses in set A	16
(2) Two courses from set B	8
(3) Five courses from set C	20
Total	44

Recommendations for Minors:	Hrs.
(1) All courses in set A	16
(2) Three courses from sets B or C	12
Total	28

The curriculum of the Department of Mathematics is designed to meet the following objectives:

(i) prepare students for industrial or commercial employment,
(ii) prepare students to teach secondary school mathematics,
(iii) prepare students for graduate study in mathematics.

The following courses are strongly recommended for:

(1) Prospective elementary school teachers: MAT 100, 318, 338, 341, 409. If other courses are desired; 101, 103.

(2) Prospective teachers of secondary school mathematics: The State certification requirements in mathematics for a Class A certificate are: twenty-four (24) semester or thirty-six (36) quarter hours to include the following:

(i) Fifteen (15) semester or twenty-four (24) quarter hours to include algebra, trigonometry, analytical geometry, and calculus,

(ii) Nine (9) semester or twelve (12) quarter hours to include at least two of the following areas: abstract algebra, modern geometry, foundations of mathematics, probability and statistics.

Courses recommended for (ii) are: MAT 326, 341, 401, 407, 420, 423, 471. If other mathematics courses are desired, the student should take courses that will prepare him to do graduate work in mathematics.

(3) Mathematics majors who plan graduate study: MAT 423, 424, 426, 431, 441, 442, 443, 471

(4) Mathematics majors preparing for industrial employment: MAT 405, 406, 411, 415, 416, 418, 420, 425, 435, 441, 442, 443.

It is assumed that mathematics or science majors will have had Algebra I, Algebra II, geometry, and trigonometry in high school. These students should begin their mathematics program with MAT 171. Students without this background in mathematics should elect MAT 103 and/or MAT 101. After completing MAT 171, mathematics majors should take MAT 341 and MAT 326 concurrently with some of the calculus courses.

Students will be expected to adhere to the indicated prerequisite for each course or to obtain permission from the instructor to register for the course.

MATHEMATICS COURSES (MAT)

100—**Basic Mathematics.** Four hours.

101—**College Algebra.** Four hours.

103—**Plane Trigonometry.** Four hours.

112—**Mathematics for Business and Social Sciences.** Four hours.

171—**Analytic Geometry.** Four hours.
Prerequisite: MAT 103 or high school trigonometry.

276, 277—**Calculus I, II.** Four hours each.
Prerequisite: MAT 171 for 276, 276 for 277.

318-G318—**Basic Concepts of Mathematics for Elementary School Teachers.** Four hours.

Prerequisite: MAT 100 or its equivalent. (Open only to elementary education majors; graduate credit only toward master's degree in education earned in an in-service course.)

326—**Linear Algebra I.** Four hours.
Prerequisite: MAT 171.

338—**History of Mathematics.** Four hours.
Prerequisite: MAT 276. (Correspondence only)

341—**Foundations of Mathematics.** Four hours.
Prerequisite: MAT 171.
378, 379—**Calculus III, IV.** Four hours each.
Prerequisite: MAT 277 for 378, MAT 378 for 379.
401-G401—**Geometry.** Four hours.
Prerequisite: Secondary school geometry or MAT 409, and MAT 341.
405—**Differential Equations I.** Four hours.
Prerequisite: MAT 379. MAT 405 may be taken concurrently with MAT 379.
406-G406—**Numerical Analysis I.** Four hours.
Prerequisite: MAT 379.
407-G407—**Number Theory.** Four hours.
Prerequisite: MAT 341.
409-G409—**Mathematics for Teachers of Junior High School Mathematics.** Four hours.
(Open only to elementary education majors or as an elective for mathematics majors.)
411-G411—**Vector Analysis.** Four hours.
Prerequisite: MAT 379.
415-G415—**Differential Equations II.** Four hours.
Prerequisite: MAT 405.
416-G416—**Numerical Analysis II.** Four hours.
Prerequisites: MAT 405 and MAT 406.
418-G418—**Linear Programming.** Four hours.
Prerequisite: MAT 326.
420-G420—**Statistics and Probability.** Four hours.
Prerequisite: MAT 341.
423-G423—**Modern Algebra I.** Four hours.
Prerequisite: MAT 341.
424-G424—**Modern Algebra II.** Four hours.
Prerequisite: MAT 423.
425-G425—**Fourier Series.** Four hours.
Prerequisites: MAT 326 and MAT 405.
426-G426—**Linear Algebra II.** Four hours.
Prerequisite: MAT 326.
431-G431—**Theory of Functions of a Complex Variable I.** Four hours.
Prerequisite: MAT 379.
435-G435—**Laplace Transform.** Four hours.
Prerequisite: MAT 405.
441-G441, 442-G442, 443-G443—**Advanced Calculus I, II, III.** Four hours each.
Prerequisites: MAT 379 and MAT 341.
461-G461, 462-G462—**Projective Geometry I, II.** Four hours each.
Prerequisite: MAT 401.
471-G471—**General Topology.** Four hours.
Prerequisites: MAT 341 and MAT 378.
472-G472—**Algebraic Topology.** Four hours.
Prerequisites: MAT 424 and MAT 471.
473-G473—**Metric Spaces.** Four hours.
Prerequisite: MAT 471.

DEPARTMENT OF MILITARY SCIENCE (MS)

James E. Echols, Jr., Chairman

Bozeman, Capece, Chadick, Cook, Davidson, Felsher, Lammers, Murchison, Patten, Robbins, Sentell, Vaughn, Weeks

AUTHORIZATION

The University of Southern Mississippi was authorized by the Department of the Army to activate a unit of the Senior Division Reserve Officers Training Corps (ROTC) on April 3, 1950. The unit was organized June 14, 1950, under the authority of the Act of Congress, June 3, 1916, and subsequent amendments thereto.

MISSION

The mission of the ROTC program is to produce qualified commissioned officers for the United States Army and to provide citizenship and leadership training for all male students during their freshman and sophomore years in the University.

TRAINING COURSES AND ALLOWANCE

The ROTC program covers four academic years and is divided into two courses. The Basic Course consists of Military Science I and II (MS I & II) and is taught during the freshman and sophomore years. The Advanced Course, Military Science III and IV (MS III & IV), is taught during the junior and senior years.

The Basic Course

All qualified male freshmen are required to complete Military Science I and II (Basic Course) as a part of the Basic College core curriculum. A freshman student is required to enroll in the Basic Course beginning with the quarter he enters the University and continues the program in successive quarters, completing it within six quarters. Only the Dean of the Basic College may excuse students from Military Science I and II.

Military Science I, first-year military science, consists of one hour of classroom instruction and two hours of leadership laboratory (drill) weekly. The classroom instruction is composed of three courses: MS 101, MS 102, and MS 103. MS 101 should be taken first, and MS 102 and MS 103 may be taken in any order to fit the student's schedule.

Military Science II, second-year military science, consists of two hours of classroom instruction and two hours of leadership laboratory (drill) weekly. The classroom instruction is composed of three courses: MS 201, MS 202, and MS 203. These courses may be taken in any sequence.

The Advanced Course

The Advanced Course consists of three hours of classroom instruction and two hours of leadership laboratory per week during the junior and senior year and an advanced ROTC camp of six weeks duration conducted at an Army installation during the summer between the junior and senior year. In addition each advanced ROTC student is required to complete one four-quarter hour course in each of the junior and senior years. The courses will be in the following general areas of science: Science Comprehension, General Psychology, Effective Communications, Political Institutions, or Political Development. The Advanced Course is elective and a student must meet requirements listed in subsequent paragraphs to enroll in the course. Students who qualify for advanced ROTC are paid by the Federal Government at a rate fixed by the Secretary of Defense. The present rate is $50.00 per month during the junior and senior years, except for the six weeks period students are at summer camp, for which they are paid approximately $250.00, plus six cents per mile travel pay from their home or the University, whichever they choose, to the summer camp site and return.

BASIC COURSE

All male freshman students who are citizens of the United States, physically qualified, over 14 years of age and less than 24 years of age are required to complete the Basic Course of Military Science. Those freshman students who

have completed MT or MST I and 2 of a Junior Division ROTC (two years of high school ROTC) or MS 1 and 2 at any Military School's Division ROTC (Military high school) may be excused from the freshman year of the Basic Course by producing proper evidence to the Dean of the Basic College at the beginning of the freshman year.

Any male student who has completed four months or more active service or active duty for training in the U.S. Army, Navy, Air Force, Marine Corps or Coast Guard, or who has completed MT or MST 1-2-3 and 4 of a Junior Division ROTC or Military High School Division ROTC, may be excused from freshman and sophomore ROTC by producing proper evidence to the Dean of the Basic College.

All male sophomore students who have completed MS 1, NS 1, or AS 1 (Freshman Army, Navy, or Air Force ROTC) of any Senior Division ROTC unit or were excused from freshman ROTC by reason of completion of MT, MST or MS 1 and 2 of a Junior Division ROTC or Military High School ROTC Division, are required to complete the Basic Course of Military Science (Sophomore ROTC).

Any student who transfers with more than 31 quarter hours credit from an institution not having basic ROTC as a requirement for graduation is excused from basic ROTC. Those students who transfer from institutions having required basic ROTC must enroll in the proper course and complete the Basic Course regardless of the number of hours transferred unless they were properly excused from the Basic Course by the institutions from which they transferred.

ADVANCED COURSE

Any male student who is regularly enrolled as a junior in the University and will complete the Advanced Course and will meet other requirements for a commission prior to his 28th birthday and has completed any one of the following is eligible to apply for entrance into the Advanced Course:

1. The basic course of any Senior Division ROTC unit of any of the three services (Army, Navy, Air Force).

2. MT or MST 1-2-3 and 4 of a Junior Division ROTC or Military High School Division ROTC.

3. Four months or more of active service or active duty for training in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard.

4. Two years at any of the service academies (Army, Navy, Air Force, or Coast Guard).

5. Six weeks basic ROTC camp for junior college transfers.

Applicants must meet the following requirements before being accepted into the advanced program:

1. Pass a physical examination.

2. Pass a Department of the Army Qualification Examination (RQ exam).

3. Have a 2.25 quality point average under the 4.0 system for the first two years of college.

4. Be recommended by a Board of Officers (ROTC instructors) and approved by the Professor of Military Science.

The RQ Examination and physical examination are administered early in the Spring Quarter to students who will be eligible to apply for advanced ROTC the following September. These examinations are administered in the ROTC Building. Students who are not able to take these examinations at this time may get them by appointment through the Administration office in the ROTC Building.

Representatives from one of the Army Senior Division ROTC units will visit the junior college campuses to interview candidates and arrange for examination and attendance at the Six Weeks Basic ROTC Camp which usually starts in mid-June each year. Students attending the six weeks Basic ROTC

Summer Camp are paid approximately $160.00 for the period of summer camp plus six cents per mile travel pay from their home or school, whichever they choose, to the summer camp site and return.

Advanced Summer Camp

The six week summer camp is normally attended by students upon completion of the third year Military Science. Students are paid six cents per mile travel pay from their home or the University, whichever they choose, to the summer camp and return. While at camp, each student will receive food, uniforms, medical attention, and pay at the rate prescribed for cadets at the United States Military Academy (approximately $250.00 for the entire period).

At camp the students meet young men from many of the best institutions in the United States, thus broadening their contacts and gaining opportunity to make friendships that may be of great value in later life. In addition to the many physical, moral, and mental benefits derived from the healthful camp life, there are sufficient recreational facilities provided to make the stay enjoyable.

Commission in the Army of the United States

Students successfully completing the Advanced Course and the summer camp are tendered commissions as reserve officers in the Army of the United States.

There are certain stipulations whereby a student who completes the third year Military Science may be designated a "Distinguished Military Student." A student so designated who maintains such standards until he graduates will be designated a "Distinguished Military Graduate" and will be eligible for consideration for appointment in the Regular Army.

Awards

Each year the outstanding ROTC cadets in each class are selected on the basis of leadership, scholarship, and military aptitude. These cadets so honored are awarded medals and their names are engraved on appropriate plaques permanently displayed in the Department of Military Science. These plaques and medals are donated by local civic and veterans organizations. Additional awards for academic and leadership achievements are presented by local business firms, individuals, campus military societies, active and reserve components of the U.S. Army, and the Department of Military Science.

Military Service Organizations

ROTC cadets have the opportunity to participate in several special organizations within the Corps of Cadets. These include the ROTC Band, Company F6 of the Pershing Rifles (Drill Team), the ROTC Rifle Team, Scabbard and Blade (Honorary Military Society), and the Ranger Company.

ROTC Flight Training

Eligibility requirements: At the time of enrollment in the Army Flight Training Program, students must either be enrolled in MS IV (fourth year of Senior Division ROTC), or have successfully completed MS IV but not have completed the academic requirements for graduation. A student must have a sufficiently high academic standing to be recommended by his dean and the Professor of Military Science. Flight Training applicants must meet Class I standards of medical fitness for flying.

ROTC TWO-YEAR SCHOLARSHIP PROGRAM

The Army ROTC Scholarship Program is designed to offer financial assistance to outstanding young men in the four-year ROTC Program who are interested in the Army as a career. Each scholarship provides free tuition, textbooks, and laboratory fees, in addition to paying $50.00 per month for the period that the scholarship is in effect.

Selection Procedures:

Recipients of the Two-year Scholarships will be selected from Military Science II students who have submitted applications to the Professor of Military Science and who have been accepted for enrollment in the ROTC Advanced Course. Applicants will be screened by a scholarship committee. All selections will be forwarded to The Department of the Army for approval.

MILITARY SCIENCE COURSES (MS)

First Year Military Science

101—**Individual Weapons and Marksmanship.** One hour.

Introduction to basic individual weapons and preliminary marksmanship training.

102—**Organization of the United States Army and ROTC.** One hour.

Introduction to the organization of the Army and ROTC.

103—**United States Army and National Security.** One hour.

Introduction to the mission and responsibilities of the United States Army relative to the national security of the United States.

Second Year Military Science

201—**American Military History.** One hour.

Principles of the art of warfare as they are exemplified in American history.

202—**Introduction to Tactics and Operations.** One hour.

An introduction to the principles, organization, and fundamentals of basic military teams.

203—**Map and Aerial Photograph Reading.** One hour.

An introduction to map reading, aerial photo interpretation, and use of the compass.

Third Year Military Science

301—**Leadership and Management I** (1) and **Fundamentals and Dynamics of the Military Team I** (1). Three hours.

A course designed to teach the student leadership principles in military situations, and to familiarize the student with the role of the various branches in the overall mission of the Army. An introduction to the nature and causes of insurgency and the organization and techniques used in internal defense and development operations.

302—**Fundamentals and Dynamics of the Military Team I (2).** Three hours.

A study to develop an understanding of the principles and fundamentals of small unit tactics and communications and their application to an infantry rifle company.

303—**Leadership and Management I** (2). Three hours.

A study of the principles, methods, and techniques of military leadership and management.

Fourth Year Military Science

401—**Fundamentals and Dynamics of the Military Team II** (1). Three hours.

A study of military staff organization and duties, to include: the preparation and publication of military operational orders, the value and scope of military intelligence, and analysis of logistical operations, and a review of internal defense and development operations.

402—**Fundamentals and Dynamics of the Military Team II** (2) and **Leadership and Management II** (1). Three hours.

A study of the principles of war and the organization, armament, equipment, and operations of different types of Army units, to include: a review of the fundamentals and principles of small unit tactics, an introduction to the Army readiness program, and an introduction to the role of the United States in world affairs.

403—**Leadership and Management II** (2). Three hours.
A study of the basic concepts and fundamentals of army administration, military justice, and an introduction to military service and its traditions.

DEPARTMENT OF PHYSICS (PHY) AND ASTRONOMY (AST)

H. C. Dudley, Chairman

Dana, Folse, Kiess, St. Clair

The primary objectives of the Physics Department are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to:

(a) Serve as teachers in secondary schools. A physics major for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 371, 381, 481, plus 12 hours of any other physics course **having laboratory.** (Total 39 hours.) Chemistry 101, 102, and 103 are required.

(b) Serve as junior physicists in government or industry. Physics majors for this group will include PHY 101, 102, 103 or PHY 201, 202, 203; PHY 371, 381, 481, plus twenty-four (24) hours of any other physics courses **having laboratory.** (Total 51 hours.) A minor in mathematics and/or computer science is required. Two years of German plus English 332 are recommended. Chemistry 101, 102, and 103 are required.

(c) Pursue professional work and graduate study in physics. It is the intent of the Physics Department to meet the recommendations of the *American Institute of Physics—National Science Foundation Committee on Curriculum for Undergraduate Physics Majors.* Fifty-one hours (51) of physics cannot meet this requirement. For that reason any student planning to do graduate work in physics should consult the Department about additional undergraduate credits; sixty (60) hours of undergraduate physics preparation are required. Chemistry 101, 102, and 103 are required.

NOTE: Astronomy 301, 302, 303 do not fulfill the physics courses which may be elected in (b) and (c) above.

PHYSICS COURSES (PHY)

101, 102, 103—**General Physics.** Five hours each.

Four lecture periods and one 3-hour laboratory period per week.

Prerequisites: MAT 103. Corequisite for PHY 101.

A traditional course in general college physics intended for liberal arts and pre-medical students.

Mechanics and hydrodynamics; electricity and magnetism; light, heat and sound. May not be taken by any one who has completed calculus except by permission of the chairman.

201, 202, 203—**General Physics with Calculus.** Five hours each.

Four lecture periods and one 3-hour laboratory period per week

Corequisite: Calculus.

Mechanics and hydrodynamics; electricity and magnetism; light, heat and sound.

A more rigorous course in General Physics recommended but not required (in preference to PHY 101) for physics majors. This course is required of engineering students.

320—**Electrical Circuit Theory.** Four hours.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisites: PHY 103 or 203, and Calculus as co-prerequisite.

AC and DC Circuit Theory with some applications in electrical measurements.

327-328—**Electronics.** Four hours each.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisites: PHY 103 or 203 and Calculus.

Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

331-332—**Thermodynamics.** Four hours each course.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisites: PHY 103 or 203 and Calculus.

Temperature, thermodynamic systems, laws of thermodynamics, reversibility and irreversibility, carnot cycle, entropy and a brief introduction to the physics of very low temperatures.

341—**Geometrical Optics.** Four hours.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisites: PHY 103 or 203 and Calculus.

Rays, refractive and reflective surfaces, lens design, stops and optical instruments.

Fundamentals of wave motion, introduction to Fourier Series, hearing and applications to architectural acoustics.

371—**Atomic Physics.** Four hours.

Prerequisites: PHY 103 or 203, and Calculus as co-prerequisite.

Survey of atomic particles, electromagnetic radiation and X-Rays, the hydrogen atom, theory of optical spectra and electron distributions within the atom.

381—**Nuclear Physics.** Four hours.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisite: PHY 371.

Natural radioactivity, fundamental particles, nuclear fission, radioactive production of isotopes and new elements.

392—**Physics Special Problems I, II, III.** One hour per quarter.

Prerequisite: Permission of the chairman.

A course limited to junior and senior physics majors, to work out in the laboratory special problems of interest to the student. A formal written report will be required, showing extensive library research, and a completed piece of functioning apparatus must be constructed.

421-422—**Electricity and Magnetism.** Four hours each.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisites: PHY 103 or 203, Calculus.

Vector Analysis, electrostatics, magnetostatics and electromagnetic fields.

441-442—**Physical Optics.** Four hours each.

Prerequisite: PHY 341, Calculus.

Huygen's Principle, interference, diffraction, polarization and electromagnetic theory of light.

443-G443—**Sound and Ultrasound.** Four hours.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisites: PHY 103 or PHY 203, PHY 481 or PHY 332.

A study of sound, and ultrasound, fundamentals of wave motion in a finite medium. Fundamentals of hearing, acoustics, and high intensity waves.

444-G444—**Fundamentals of Solid State Physics.** Four hours.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisite: PHY 481.

Study of the solid as an electromagnetic wave medium, exitation levels, and the one electron theory.

450-G450, 451-G451—**Mechanics (Statics and Dynamics).** Four hours each. Four lectures per week, each course.

Prerequisite: PHY 103 or 203, Calculus.

Mathematical treatment of the dynamics of particles and rigid bodies, wave motion, and vibration.

474-G474—**Quantum Mechanics I.** Four hours.

Prerequisite: PHY 481.

Four lectures per week.

Schroedinger's wave equations applied to various potentials, simple harmonic oscillator and particle in a central field.

475-G475—**Quantum Mechanics II.** Four hours.

Four lectures per week.

Solutions of time independent and time dependent perturbated potentials and identical particles. The relativistic wave equation and the origin of electron spin.

481-G481—**Nuclear Physics.** Four hours.

Three lecture periods and one 3-hour laboratory period per week.

Prerequisite: PHY 381.

Nuclear binding forces, chain reaction, criticality, the non-steady state reactor, radiation shielding.

485-G485, 486-G486—**History and Literature of Physics I and II.** Four hours each.

Prerequisite: PHY 103 or 203.

A survey of the literature of physics from the ancients to Einstein; reviewing the development of concepts, and the rise and fall of various theories which were used to explain observed phenomena.

A survey of the development of Relativistic theories, and the experimental data which now impinges on this school of thought. A study of current sources of experimental and research data will be made.

499—**Undergraduate Research, I, II, III.** Two hours per quarter.

Prerequisite: Permission of the chairman.

A course limited to selected senior physics majors. To introduce the student to methods of physical research, requiring a formal literature search, problem outlines, construction of apparatus, and collection of accurate data on some assigned problem. A formal report will be required.

ASTRONOMY COURSES (AST)

301, 302, 303—**General Astronomy.** Four hours each.

Prerequisite: MAT 101.

Three lecture periods and one 3-hour laboratory period per week.

Introduction to the coordinate systems of the earth and celestial sphere. time and its applications, the solar system.

Astronomical relations of light, atomic theory, spectroscopy; further topics on the solar system, comets and meteorites.

Astronomical measurements, star classifications, relative and apparent motion of the stars, galaxies, extra-solar matter and the stellar energy cycle.

DEPARTMENT OF POLITICAL SCIENCE (PS)

William H. Hatcher, Chairman

Caudill, Doumas, Mobley, Tuchak, Virden, Wilber

(1) **Requirements for an Undergraduate Major.**

In addition to PS 101 the political science major must take at least one course from five of the six fields of political science. The remaining sixteen hours are electives in political science.

(2) **Requirements for an Undergraduate Minor.**
The Department recommends that the minor include courses from at least four of the six fields.

(3) The Six Fields of Political Science.
Political Theory. 400, 402, 404.
American Government and Politics. 301, 345, 406, 407, 434, 435, 436, 461.
International Relations. 300, 453, 454, 458, 482, 483
Comparative Government. 450, 451, 452, 470, 472, 474, 480.
Public Administration. 460, 462, 463, 464, 481.
Public Law. 412, 485.

(4) Economics 400, Finance 415, and History 405, 411, 469, and 470 may be elected as political science if approved by the student's adviser.

POLITICAL SCIENCE COURSES (PS)

101—**American Government.** Four hours.
A survey of our national government, with some related study of Mississippi courts and the state election systems. Required of all students.

300—**United States Foreign Policy.** Four hours.
A study of contemporary U.S. Foreign Policy with major emphasis on the period 1945 to the present. The study highlights the revolution in American Foreign Policy since World War II.

301—**State Government.** Four hours.

345—**Current Problems in Government.** Four hours.
A study of current problems before the national, state, and local governments at the time the course is taught. Different problems are studied in different years.

400-G400—**Political Theory to 1783.** Four hours.
Political thought from Plato through the Enlightenment, with emphasis on the contributions of individual philosophers.

402-G402—**American Political Theory.** Four hours.
A study of the principal political ideas that have influenced the development of the United States' political system.

404-G404—**Political Theory Since 1783.** Four hours.
Recent and contemporary European political thought with emphasis on liberalism, conservatism, socialism, communism, and fascism.

406-G406—**American Political Parties and Pressure Groups.** Four hours.

407-G407—**Mississippi Government.** Four hours.

412-G412—**United States Constitutional Law.** Four hours.
A survey, by the case method, of principles and practices of American constitutional law. Emphasis is placed upon judicial review, the federal system, national powers, and individual rights.

434-G434—**County Government.** Four hours.

435-G435—**Municipal Government.** Four hours.

436-G436—**The Legislative Process.** Four hours.
A detailed study of Congress and the state legislature.

450-G450—**Governments of Western Europe.** Four hours.
A study of France, West Germany, and Italy. Recommended as the first course in comparative government.

451-G451—**Soviet Government and Politics.** Four hours.
A detailed study of the political, economic, and social structure of the Soviet Union, and the role of the Communist Party.

452-G452—**British Government.** Four hours.

453-G453—**Soviet Foreign Policy.** Four hours.
Emphasis is on the period after World War II.

454-G454—**Politics of the Power Blocs.** Four hours.

An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and the developing formation of lesser blocs, such as that led by Communist China and the Neutralist bloc, the Common Market bloc, and the Japanese sphere.

457-G457—**International Politics.** Four hours.

458-G458—**International Organization.** Four hours.

A study of the principal types of international organization, and of examples of the same, such as the United Nations and the Organization of American States.

460-G460—**Public Administration.** Four hours.

An introductory study including organization, personnel management, and fiscal management.

461-G461—**The Presidency.** Four hours.

A study of the executive function in the process of government with special emphasis on the increasing role of the President.

462-G462—**Public Personnel Administration.** Four hours.

Includes recruitment, promotion, discipline, control and removal in both the United States and the states.

463-G463—**Organization and Management.** Four hours.

Includes organization planning, program planning, fiscal planning, and administrative reporting.

464-G464—**Policy Formulation.** Four hours.

Includes the roles of persons, groups, and governmental and non-governmental institutions.

470-G470—**Middle Eastern Government and Politics.** Four hours.

A study of the states of the contemporary Middle East: governmental structures and institutions, political organizations and behavior, and regional and international relations.

472-G472—**Far Eastern Governments and Politics.** Four hours.

A survey of the politics and the governmental systems of the area in general, and of such as India, China, Taiwan, Japan, Ceylon, and the Philippines in particular.

474-G474—**Tropical African Government and Politics.** Four hours.

A survey of the political systems of the "emerging" states and their politics, with special emphasis on industrialization and socio-cultural background.

480-G480—**Latin American Governments and Politics.** Four hours.

A study of governmental and political processes in the Latin American member nations of the Organization of American States.

481-G481—**Public Administration in Latin America.** Four hours.

A study of public administration in Latin America: strengths, weaknesses, underlying factors, and effects on pursuit of goals.

482-G482—**Inter-American Politics.** Four hours.

A study of hemisphere relations, with emphasis on the United States and Latin America, bilaterally and multilaterally.

483-G483—**Latin American Political Integration and Development.** Four hours.

A study of the movement and the progress toward Latin American political integration and development through agreements, organizations, and assistance programs.

485-G485—**International Law.** Four hours.

A sampling of the field, based largely on cases.

492—**Special Problems I, II, III.** One hour each.

A problem study to be approved by the Department Chairman. The student will prepare a scholarly paper under the supervision of a professor.

DEPARTMENT OF RELIGION (REL) AND PHILOSOPHY (PHI)

John F. Nau, Chairman

Atkinson, Jones, Parker, Sullivan, Wood

The Department of Religion and Philosophy offers programs of study leading to the degrees of the Bachelor of Arts, the Bachelor of Science, and the Master of Arts. For the Master's degree program please consult the **Graduate Bulletin.**

A baccalaureate student may choose either a major or a minor in philosophy or a minor in religion and philosophy combined.

Students majoring or minoring in philosophy should begin with either Philosophy 101 or 210. For a major, a total of thirty-six (36) quarter hours is required, of which at least sixteen (16) hours should be in courses on the 400 level. A major program in philosophy will normally include Philosophy 101, 203, 205, 207, and 210.

For a minor in philosophy, a total of twenty-eight (28) quarter hours is required, of which at least eight (8) quarter hours should be in courses on the 400 level.

PHILOSOPHY COURSES (PHI)

101—**Introduction to Philosophy.** Four hours.

A course intended to acquaint the student with the general nature of philosophical study. Covers values, methods, themes, the nature of reality, epistemology, ethics, and aesthetics.

203—**History of Philosophy.** Four hours.

A study of the main philosophic movements, and of the findings of Greek pioneers, the patristic writers, and the scholastics.

205—**History of Philosophy.** Four hours.

A study of the main problems and movements in philosophy from the Renaissance to Kant.

207—**History of Philosophy.** Four hours.

Philosophy after Kant. Writings of Hegel, Schopenhauer, Mill, Compte, Marx, Nietzsche, Bergson, Dewey, Whitehead, and Russell will be considered.

210—**Logic.** Four hours.

A study of the methods and problems of accurate and critical thinking. Induction, deduction, the syllogism, fallacies, the scientific method, and symbolic logic. Emphasis on practical application.

300—**Philosophical Systems.** Four hours.

This course offers more thorough study of the recent developments in philosophical systems, emphasizing particularly creationism, emergentism, organism, existentialism, and pragmatism. Emphasis on supplementary readings in these fields. Not open to freshmen and sophomores.

310—**Modern Problems of Philosophy.** Four hours.

An examination of some principal philosophical questions concerning identity and diversity, causality, freedom, necessity, God, and of various responses made to these questions by members of both the metaphysical and anti-metaphysical traditions.

315—**Semantics.** Four hours.

Prerequisite: 8 hours of philosophy including PHI 210.

Study in the foundations of language theory and the general theory of signs. Applications will be made to the languages of science, metaphysics, and the arts.

320—**Theories of Knowledge.** Four hours.
Prerequisite: PHI 101.
An examination of recent philosophical positions in epistemology, including positivism, pragmatism, realism, and ordinary language analysis.
330—**Continental Rationalism.** Four hours.
Prerequisite: Eight hours of philosophy or permission of instructor.
A study of the philosophies of Descartes, Spinoza, and Leibnitz. Based on selections from their writings.
340—**British Empirical Philosophy.** Four hours.
Prerequisite: Twelve hours of philosophy or permission of instructor.
The British empiricists examined both individually and as contributors to one of modern philosophy's historical developments.
350—**Foundations of Existentialism.** Four hours.
Prerequisite: Eight hours of philosophy or permission of instructor.
An introduction to the basic motifs of existentialist thought through the writings of Kierkegaard, Sartre, Nietzsche, and Berdyaev.
370—**Ethics.** Four hours.
A study of the evolution of moral ideas from primitive to modern times, and a critical analysis of ethical theories and of social institutions such as the state, property, and the family.
372—**Philosophy of Religion.** Four hours.
A detailed examination of the proofs for the existence of a diety and a study of the problems of philosophical theology, such as transcendence and immanence, free will, mysticism, and good and evil.
412-G412—**Philosophy of Politics.** Four hours.
A study of fundamental political concepts including law, government, sovereignty and state, and the relation of man's understanding of his own nature to the structuring of such concepts.
420-G420—**Introduction to Philosophy of Science.** Four hours.
Prerequisite: Eight hours of philosophy or advanced courses in mathematics or the empirical sciences.
A study of the conditions and status of knowledge, perception, measurement, hypothesis, causality, and concept formation based upon recent scientific and philosophical investigation.
430-G430—**Advanced Ethics.** Four hours.
Prerequisite: PHI 370.
A study of rival contemporary theories in general theory of value and ethics. The positions of naturalism, intuitionism, emotivism, and functionalism will be critically compared.
442-G442—**American Philosophy.** Four hours.
A consideration of representative modern American thinkers including Royce, Peirce, James, Mead, and Dewey.
446-G446—**Aesthetics.** Four hours.
An analysis of classic philosophical problems and theories of art and beauty from Plato to the present.
448-G448—**The Pre-Socratics.** Four hours.
A study of the major schools and problems of the pre-socratic philosophers from Thales to the atomists. Consideration will be given to the intrinsic importance of the contributions of these philosophers to perennial problems in metaphysics and epistemology as well as to the influence of these contributions on the philosophies of Plato and Aristotle.
454-G454—**Symbolic Logic.** Four hours.
Prerequisite: Eight hours of mathematics or PHI 210.
The basic theory and operations of the sentential calculus, quantification, and the logic of relations.
460-G460—**Analytic Philosophy.** Four hours.
A study of the historical background and development of the contemporary linguistic approach to philosophical problems based upon the writings of Wittgenstein, Wisdom, Ryle, and Austin.

462-G462—**Phenomenology.** Four hours.

Textual study of the philosophy of Edmund Husserl, the founder of phenomenology. Topics such as philosophy as rigorous science, intentionality, and the phenomenological reduction will be given special attention.

492—**Special Problems I, II, III.** One hour each.

A problem study to be approved by the department chairman. The student will prepare a scholarly paper or do assigned reading under the supervision of a professor.

RELIGION

Students majoring in religion and philosophy combined are required to have a total of thirty-six (36) hours of which no less than twelve (12) quarter hours must be in either philosophy or religion. Students minoring in religion and philosophy combined are required to have a total of twenty-eight (28) quarter hours of which no less than eight (8) quarter hours must be in either religion or philosophy.

RELIGION COURSES (REL)

225—**Introduction to Religion.** Four hours.

A study of religion as an aspect of human culture with emphasis on the development and meaning of religion in the life of mankind. Attention will be given to both Christian and non-Christian religions. (For freshmen and sophomores only).

301, 302—**The Major and Minor Prophets of Israel.** Two hours each.

A study of the lives and teachings of the Old Testament prophets, the social, political, economic, and religious backgrounds to their work and the relevance of their message to modern times.

312—**Pre-Christian History of the Jewish People.** Four hours.

May be elected as history.

A study of Jewish history and thought as presented in the Old Testament, Apocrypha, and non-canonical Jewish writings of the Intertestamental Era. Particular attention is given to the relationship of the Jewish nation to the major powers of the Fertile Crescent in the first and second millenia B.C.

322—**The Life of Jesus.** Four hours.

A study of the life of Jesus as presented in the first three gospels, with attention to the historical and religious background of Jesus' ministry.

324—**The World's Great Religions.** Four hours.

May be elected as history.

A study of the grounds for religious beliefs of men, the emergence of tribal and national religions in antiquity, and a survey of the principal faiths of ancient and modern times.

326—**The New Testament.** Four hours.

A study of Acts and the epistolary material in the New Testament with particular attention to the writings and thoughts of Paul.

402-G402—**Religion in the Rise of American Culture.** Four hours.

A study of the origin and development of the major religious groups and of the shifts in religious thought in the United States from colonial times to the present.

405-G405—**The Types of Literature in the Bible.** Four hours.

May be elected as English.

An analysis of the types of literature in the Old and New Testaments and a comparison of these with similar writings of other Jewish writers of the same periods and with related types of writing among other people.

408-G408—**A History of the Christian Church I.** Four hours.

May be elected as history.

A study of the history of the church from the apostolic period through the Renaissance.

409-G409—**A History of the Christian Church II.** Four hours.

May be elected as history.

A study of the history of the church from the Reformation to the modern era.

492—**Special Problems I, II, III.** One hour each.

A problem study to be approved by the department chairman. The student will prepare a scholarly paper or do assigned reading under the supervision of a professor.

DEPARTMENT OF SCIENCE EDUCATION (SCE)

Including Fundamentals of Science (FS)

Ashley G. Morgan, Chairman

F. Brown, I. Brown, Dale, Flowers, Sonnier, Swann

The Department of Science Education is operated jointly by the College of Arts and Sciences and the College of Education and Psychology. The facilities are in the College of Arts and Sciences. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

Objectives

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide advisement for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year in college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from thirty-five (35) to forty-four (44) quarter hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specfiic sciences and general science. A general outline of the four-year program is given below:

	hours
FRESHMAN YEAR	
English 101, 102, 103	12
Mathematics 101, 103, 171	12
Chemistry 101, 102, 103	15
American Government, PS 101	4
Allied Arts, AA 100	4
Health 179	4
Basic College Studies 50 (Non-credit)	0
SOPHOMORE YEAR	
Biology 101, 102, 103, 104	16
Literature or Advanced Grammar, ENG 201, 202 or 433	8
History 101, 102	8
Geography 203 or 204	4
Physics 101, 102, 103	15
JUNIOR YEAR	
Psychology 201	4
Sociology 103	4
Public Address 101	4
Geology 101, 103 or 260	8
Begin prescribed (36 hours) professional education sequence	
Additional sciences (Note: biology specialists must complete organic chemistry.)	
SENIOR YEAR	
Complete education sequence (total)	36
CIS 451J (quarter preceding student teaching)	4
CIS 313, 481J	16
Science Education 400-level course in specific science area	4
Complete required science courses and credits needed for graduation.	

Biology courses for specialization—101, 102, 103, 104, 220, 301, 302, 401, & three electives

Chemistry courses for specialization—101, 102, 103, 301, 302, 303, 304, 305

Earth Science courses (being interdisciplinary, courses are utilized from three departments) GLY 101, 103, 201, 203, 260 or 310, 302 or 314; AST 301, 302, 303; GHY 203, 204, 480

Physics courses for specialization—101, 102, 103, 371, 381, and three electives

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be overemphasized that students should consult with their assigned adviser each quarter. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and provides the necessary background courses in professional education for effective teaching.

Although a student may minor in general science, it may not be applied to the science teacher training program.

Students in the College of Arts and Sciences should discuss minors in the sciences with their adviser and/or the particular science department chairman. Students in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

SCIENCE EDUCATION COURSES (SCE)

Including Fundamentals of Science (FS)

Fundamentals of Science: A sequence of two courses in the physical sciences and two in the biological sciences. Each course carries four quarter hours of credit and consists of four one-hour lecture-demonstration sessions per week. A working knowledge of algebra is presupposed. These courses are designed to give students an acquaintance and understanding of certain fundamental principles and laws of the major science disciplines. Credit in these courses will not count toward the degree requirements for a major or minor in the sciences or in secondary school science teaching.

In as much as there is overlapping and duplication in these courses and those offered by various science departments, the student should read carefully the prerequisites and limitations for each of the Fundamentals of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses. Fundamentals of Science courses must be taken in sequence.

FS 104—**Physical Science I.** Four hours.

A student who has credit for two quarters or one semester of physics cannot receive credit for this course.

A study of matter and energy in the universe; their sources, transformation, and interactions; the forces acting within the universe; and the laws governing these phenomena.

FS 105—**Physical Science II.** Four hours.

Prerequisite: FS 104, or one semester or two quarters of physics.

A student who has credit for one semetser or two quarters of chemistry and/or physical or historical geology cannot receive credit for this course.

A continuation of FS 104. Primary emphasis is on elementary and compound substances, the arrangement of and forces acting on these substances in the formation of the earth, atmosphere, and the universe.

FS 106—**Biological Science I.** Four hours.

Prerequisite: FS 105 or two quarters of chemistry.

Elementary studies in the general life sciences. Emphasis is upon unifying principles and the development of biological theories. Important ideas are: cell theory and biochemical processes, heredity, evolution, and interdependence.

FS 107—**Biological Science II.** Four hours.

Prerequisite: FS 106.

A continuation and enlargement of ideas presented in FS 106. A student who has credit in BIO 101 and 102 or the equivalent cannot receive credit for FS 106 and 107.

SCE 400-G400—**BSCS Biology for Secondary Teachers.** Four hours.

Prerequisite: Permission of the instructor.

This course is for teachers only, and may not be used for credit toward a major in biology.

A detailed critical examination of the subject matter, techniques, and methods for teaching biology in secondary schools as proposed by the Biological Sciences Curriculum Study. Designed to orient teachers in modern biology subject matter and special techniques by presenting background material and special laboratory exercises. Emphasis is placed on the laboratory as the source of information from which sound conclusions can be drawn.

SCE 401-G401—**CHEM Chemistry for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize chemistry teachers with the materials, methods, and techniques of teaching chemistry developed by the Chemical Education Materials Study Committee. Unifying principles of chemistry are emphasized, with laboratory work providing the basis of development.

SCE 402-G402—**PSSC Physics for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize physics teachers with content, methods, materials, and techniques of physics developed by the Physical Science Study Committee and other national physics curriculum development groups.

SCE 403-G403—**ESCP Earth Science Methods and Materials for Teachers.** Four hours.

Six hours lecture-laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize teachers with content, methods, material, and techniques developed by the Earth Science Curriculum project committee.

SCE 432—**Science for Elementary Teachers.** Four hours.

Prerequisites: FS 104, 105, 106, 107, or 8 quarter hours in physical science and 8 quarter hours in biological science.

Six hours of lecture, audio-visual, and laboratory work per week.

Designed to relate basic scientific principles to the elementary grades and to provide experience in presenting these principles to the elementary school child through the use of a variety of materials, activities, and methods. Required of and designed for elementary education majors only.

DEPARTMENT OF SOCIOLOGY (SOC)

John N. Burrus, Chairman

Allen, Bourgeois, Lackey, Pearson

The Department of Sociology offers a major and a minor. Provision is also made for the student who is not a major or minor but who wishes to select one or several courses in sociology according to his interests or needs.

Core curricula applicable to the College of Arts and Sciences and the degree selected should be followed with care. Sociology majors who wish to meet requirements for a teacher's license should take note of these requirements in the section of the catalog dealing with teacher training.

A minimum of thirty-six (36) quarter hours (beyond SOC 103) is required for a major in sociology. Twenty-eight (28) hours are required for a minor.

The sociology major will complete a minor of twenty-eight (28) hours in another field. It is possible for the minor to be taken in any department offering a major, but in most circumstances the minor is taken in one of the social sciences. The core requirements must be completed as early in the academic program as possible. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

Freshmen and sophomores planning to major in sociology are advised to include some sociology courses in their schedules. This will preclude the necessity of scheduling multiple courses during the junior and senior years. Such courses should not interfere with the completion of core requirements, however.

Transfer students interested in majoring in sociology are advised to check their programs with the sociology adviser at as early a date as possible.

Course Requirements and Information

A. Sociology 103 (or 201) is a prerequisite to all other course offerings.

B. All sociology majors (general and pre-professional) must take the following courses: SOC 103, 201, 301, 481 or 482, and 485.

C. Students pursuing the general sociology major must also take SOC 401 and complete the SOC 481-482 sequence. The remaining twelve (12) hours may be selected from any of the departmental offerings with the exception of SOC 230 and 330.

D. Students preparing for careers in social work may use sociology as a major or minor in a program of pre-professional undergraduate training. While the University does not offer a degree or major in social work, proper planning of the undergraduate program will help to provide an adequate academic background for professional training which must be obtained in a graduate school of social work. Undergraduate preparation should include courses representing all academic areas. Proficiency in English, mathematics, and social sciences is particularly needed.

SOCIOLOGY COURSES (SOC)

Note: All 400-level courses are open only to students of junior standing or higher.

103—**Introduction to Sociology.** Four hours.

A course designed to give the student a general overview of the content and methodology of sociology. Prerequisite to all courses except 201.

201—**Rural Sociology.** Four hours.

A study of the structure, institutions, and social processes of rural society; and of the effect of urbanization on rural society. Recommended for majors and minors.

208—**General Anthropology.** Four hours.

Prerequisite: SOC 103 or 201.

The beginning course in anthropology. An introduction to the three major fields of anthropological study: ethnology, archaeology, and physical anthropology. (Not open to students with credit in SOC 209.)

209—**Cultural Anthropology.** Four hours.

Prerequisite: SOC 208 or instructor's approval.

A study of human behavior in preliterate and early literate societies. Attention to how cultural traits are invented and diffused, and to the relation of cultural change to modern civilization.

230—**Introduction to Social Work.** Four hours.

An introduction to the purpose, methods, and philosophy of contemporary social work. Intended only for persons planning to enter social work as a vocation.

233—**Social Problems.** Four hours.

Prerequisite: SOC 103 or 201.

A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change.

301—**Urban Sociology.** Four hours.

Prerequisite: SOC 103 or 201.

An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology, and ecological processes. Consideration is given to the impact of urbanization and industrialization on social institutions, levels of living, and demography.

304—**The Family.** Four hours.
Prerequisite: SOC 103.

An analysis of the structure and function of the family as an institution. Some emphasis on contemporary trends and factors shaping the contemporary family.

309—**Anthropology Survey I.** Four hours.
Prerequisite: SOC 208.

The basic course for the serious or pre-professional anthropology student. An historically oriented survey of the invention, growth and diffusion of culture, including a description of methods of anthropological research.

310—**Anthropology Survey II.** Four hours.
Prerequisite: SOC 309.

A continuation and completion of the survey sequence begun in SOC 309. Includes historical perspective and a linguistic survey particularly of Indo-European groups.

330—**Methods of Social Work.** Four hours.
Prerequisites: SOC 103 and 230.
A study of the principles of social case work.

336—**Educational Sociology.** Four hours.
Prerequisite: SOC 103, or eight hours in education, or consent of the instructor.

A comprehensive study of the educational institution; an analysis of the school as a social institution; and the relationship of the educational institution to the community and general society.

340—**Advanced Rural Sociology.** Four hours.
Prerequisites: SOC 201 or 103 and advanced standing.

An advanced course in rural sociology. Certain areas of rural life and social change are selected for detailed study. The effects of urbanization, mechanization, and migration are examined. Recommended as complementary to SOC 301.

380—**Criminology.** Four hours.
Prerequisite: SOC 103.

A study of causes, treatment, and prevention of crime. The presentation deals with criminology, penology, and criminal legislation in ancient and modern times. Not open to students with credit in SOC 280.

Courses in the 400 series may be taken for graduate credit.

401-G401—**Population.** Four hours.
Prerequisite: SOC 103.

This course introduces the student to the science of demography and examines differentials and trends in birth rates, migration, sex ratios, and mortality rates. Recommended for all majors and minors. Advanced standing required.

420-G420—**Industrial Sociology.** Four hours.

An advanced sociological study of industrial and business units as social systems in their institutional setting.

429-G429—**Juvenile Delinquency.** Four hours.

A study of causes and the nature of juvenile delinquency, the development of the juvenile court, probation and other rehabilitative programs. Recommended for persons with a serious interest in the study of delinquency. Not open to freshmen and sophomores.

430-G430—**Social Foundations of Personality.** Four hours.

A comprehensive treatment of the role of the social group and the cultural heritage in the development and functioning of the human personality. An analysis of social institutions, social organizations, and social experience as they are related to personality development. Advanced standing required.

450-G450—**Social Institutions.** Four hours.

Prerequisites: SOC 103 and advanced standing.

A detailed study of major American social institutions, their functions, interrelationships, and significant trends. Emphasis on theory of social structure.

470-G470—**Advanced General Sociology.** Four hours.

An advanced course in general sociology giving expanded treatment to the basic sociological concepts and subject-matter areas. Not open to freshmen and sophomores.

481-G481—**History of Social Thought.** Four hours.

Prerequisites: SOC 103 and advanced standing.

An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482-G482—**Sociological Theory.** Four hours.

A survey of the growth and development of sociological theory from Comte to the present. Advanced standing required.

485-G485—**Methods of Social Research.** Four hours.

Prerequisite: 12 hours in sociology.

A survey of elementary research techniques, illustrated by demonstrations and projects. How to locate, process, analyze, and interpret social research data. Open only to juniors and seniors; required for majors.

DEPARTMENT OF SPEECH AND HEARING SCIENCES (SHS)

Robert B. Mahaffey, Chairman

J. M. Davis, DuBard, Harris, Jesse, Peters, Winger

The Department of Speech and Hearing Sciences is concerned with the body of knowledge and scientific study that pertains to both normal and abnormal speech, hearing, and language. The Department provides the environment in which information in this area can be effectively advanced and knowledge disseminated.

Bachelor of Arts, Bachelor of Science, and Bachelor of Science teaching degrees are offered by the Department. For information concerning Master's or doctoral degrees, consult the **Graduate Bulletin.** Specialization is possible in four principal areas: (1) Speech and Hearing Science; (2) Audiology; (3) Language Disorders; (4) Speech Pathology.

Majors who take the B.S. teaching degree may minor in special education. The minor will require EPY 316, EPY 319, EPY 332, CIE 343, SPE 451, SPE 486, SPE 471 (a minimum of 12 hours must be taken in SPE 471). Prerequisites to the taking of SPE 471 are SHS 301, 414, and 416.

The Speech and Hearing Center, the School for Children with Language Disorders, and the Acoustic Laboratory are operated by the Department on the campus to provide clinical and research laboratory experiences. Other training facilities are available at off-campus locations.

UNIVERSITY OF SOUTHERN MISSISSIPPI SPEECH AND HEARING CENTER

Southern Station, Box 92
Hattiesburg, Mississippi 39401
Phone:266-7221

The Speech and Hearing Center is operated by the Department of Speech and Hearing Sciences as a laboratory training unit and as a service center for students and other individuals who have speech, hearing, or language impairments. Diagnostic, therapeutic, and teaching services are provided for a wide variety of disorders, including delayed speech, defective articulation, stuttering, cleft palate, cerebral palsy, language disorders, laryngectomees, and hearing losses of any type. Included in the services offered to the hard of hearing are hearing-aid evaluations, lip reading, auditory training, hearing aid orientation, audiological assessment for compensation and medical-legal claims, and any type of pure-tone and speech audiometry.

The School for Children with Language Disorders, Dr. Etoile DuBard, Director, is a part of the over-all speech and hearing services and is specifically concerned with diagnostics and teaching of children with language disorders.

The services are available at nominal costs.

Speech and Hearing Center Services:

Audiometric Pure Tone Test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for college students per quarter	5.00

SPEECH AND HEARING COURSES (SHS)

SPEECH AND HEARING SCIENCE

201—**Introduction to Phonetics.** Four hours.

International Phonetic Alphabet as applied to English.

210—**Fundamentals of Speech and Hearing Science.** Four hours.

An introduction to the basic knowledge pertaining to speech, hearing, and language processes.

332—**Semantics.** Four hours.

Scientific approach to the study of language as a symbolic code.

336—**Experimental Phonetics.** Four hours.

A study of laboratory investigations of problems in phonetics as they are related to functional speech.

338—**Psychology of Speech.** Four hours.

Study of speech with particular reference to information theory, speech intelligibility, and other mathematical model systems.

402-G402—**Language Development.** Four hours.

The normal acquisition of language.

406-G406—**Acoustic Phonetics.** Four hours.

Principles of acoustic theories of speech production.

410-G410—**Anatomy, Physiology, and Mechanism of Hearing.** Four hours.

This is a basic and fundamental audiology course open to all students who are interested in the normal anatomy and physiology of the ear and associated areas.

443-G443—**Voice Science I.** Four hours.

444-G444—**Voice Science II.** Four hours.

A two-course sequence dealing with the various anatomical and neurological systems concerned with the production of speech.

492—**Problems in Speech and Hearing Science, Audiology, Language Disorders, or Speech Pathology.** One to six hours.

AUDIOLOGY

302—**Introduction to the Measurement of Hearing.** Four hours.

Prerequisite: SHS 210.

A specialized survey of the field of audiology to acquaint students with the causes, testing, and rehabilitation of persons with hearing loss.

405-G405—**Clinical Audiology I.** Four hours.

Prerequisite: SHS 302.

407-G407—**Clinical Audiology II.** Four hours.

A two-course sequence dealing with advanced audiometric techniques and clinical procedures.

412-G412—**Aural Rehabilitation.** Four hours.

Prerequisite: SHS 302.

Current methods of using amplification for rehabilitating persons with hearing loss, and major theoretical and applied aspects of the speech reading process.

413-G413—**Pre-School Hard of Hearing and Deaf.** Four hours.

Prerequisite: SHS 302.

An overall view of the complex problems facing the hard-of-hearing and deaf child in the home, community, and educational environment.

417-G417—**Audiological Instrumentation.** Four hours.

Prerequisite: SHS 302.

To present advanced students various electronic systems employed in the study of audiology.

425-G425—**Pathologies of the Hearing Mechanism.** Four hours.

A basic and fundamental course in audiology open to students interested in the various pathologies and abnormal functions of the ear and associated areas.

440-G440—**Medical Diagnosis and Treatment of Speech and Hearing Pathologies I.** Two hours.

441-G441—**Medical Diagnosis and Treatment of Speech and Hearing Pathologies II.** Two hours.

442-G442—**Medical Diagnosis and Treatment of Speech and Hearing Pathologies III.** Two hours.

A three-course sequence dealing with the diagnosis and the medical and surgical treatment of speech and hearing pathologies.

LANGUAGE DISORDERS

430-G430—**Phonetics for the Acoustically Handicapped.** Four hours.

Techniques for teaching speech to the deaf and those children with unusual hearing problems, including systems of orthography and their application for teaching speech and reading to acoustically handicapped children.

431-G431—**Language Disorders I: Assessment of Children with Language Disorders.** Four hours.

Problems of assessing children with language disorders, differentiating the aphasic child from the deaf, mentally retarded, autistic, severely emotionally disturbed, or the child who does not develop speech and language because of muscular paralysis.

432-G432—**Language Disorders II: Habilitation of the Aphasic Child.** Four hours.

Prerequisites: SHS 430, 431.

Basic problems of the aphasic child and procedures needed for him to acquire use and comprehension of language and speech.

433-G433—**Language for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: SHS 413 or the consent of the instructor.

Principles of language development for the pre-school and school age hard-of-hearing and deaf child and the child with multiple handicaps.

434-G434—**Speech for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: SHS 430.

Problems in developing and maintaining intelligible speech in hard-of-hearing and deaf children through the multisensory approach. Attention is given to the speech problems of children with multiple handicaps.

435-G435—**Problems in Reading and Related Subjects for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: Consent of the instructor.

Problems confronting the deaf in reading. Special attention is given to problems created by the vocabulary of high level abstraction and words of multiple meanings.

436-G436—**Problems in Academic Subjects for the Hard-of-Hearing and Deaf.** Four hours.

Prerequisite: Consent of the instructor.

Problems of vocabulary and language of specific subject matter areas.

437-G437—**History, Education, and Guidance for the Deaf.** Four hours.

SPEECH PATHOLOGY

301-G301—**Introduction to Speech Pathology.** Four hours.
Prerequisite: SHS 201.

404-G404—**Stuttering and Related Problems.** Four hours.
Prerequisite: SHS 301.
Theories and therapeutic procedures evaluated with respect to the problem of stuttering behavior in children and adults.

414-G414—**Diagnostic Procedures in Speech Pathology.** Four hours.
Prerequisite: SHS 301.
Examination and diagnosis of people with speech disorders with emphasis on interviewing, testing, and report writing.

416-G416—**Articulation Disorders.** Four hours.
Prerequisite: SHS 301.
Study of the problems of defective articulation: definition, causative factors, therapy, and research.

420-G420—**Voice Disorders.** Four hours.
Prerequisite: SHS 301.
The disorders of voice and their cause and management.

424-G424—**Organic Speech Problems.** Four hours.
The pathologies and therapies for speech and allied language problems associated with the organic disorders of cerebral palsy and cleft palate.

428-G428—**Adult Aphasia and Related Problems.** Four hours.
Prerequisite: SHS 301.
The speech and related problems associated with neurological impairment.

438-G438—**Pathology of Speech Mechanism.** Four hours.
Investigation of the various disorders involving the vocal mechanism which can result in and/or be associated with speech problems.

COLLEGE OF EDUCATION AND PSYCHOLOGY

Carl L. McQuagge, Dean
L. Conrad Welker, Assistant Dean

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education. All undergraduate, master's, and specialist programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education.

The teacher-education programs offered by the University on the undergraduate level fall into three major categories: Elementary Education, Secondary Education, and Special Areas. For details of graduate teacher-education programs, consult the **Graduate Bulletin.**

PURPOSES

The purposes of the College of Education and Psychology are: (1) to prepare teachers for the public schools and the colleges and universities; (2) to offer non-teaching degree programs on the undergraduate level in library science, industrial arts, office management, executive secretarial studies, psychology, corrective therapy, and recreation (for graduate level non-teaching degree programs consult the **Graduate Bulletin**); (3) to provide clinical and professional services to the public schools of Mississippi and to the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the College; (2) clinics and offices for professional services; (3) cooperation with the public schools; and (4) cooperation with other colleges and schools of the University in the development of teacher-education programs that meet requirements for Mississippi certification.

ADMISSION REQUIREMENTS

1. A 2.1 quality point average on all courses undertaken.
2. Completion of sixty-four (64) quarter hours in the Basic College.
3. A C average in freshman English. (Courses with grades below C may be repeated to raise the grade)
4. An application for admission must be made to the College of Education and Psychology and approved by the Dean of the College. The application must show all college work completed, quality point average, and a **planned program for each quarter the student expects to be in the College of Education and Psychology.** In addition to the above, the student must indicate a major and a minor if required. A student enrolled in the Basic College of the University of Southern Mississippi will file a completed application for transfer from the Basic College. Transfers into the College of Education and Psychology from other colleges will be given tentative approval based upon an evaluation of the transcripts filed with the Admissions Office. Upon coming to the campus for registration, each transfer student will be required to file the program plan for each quarter required to complete his degree. When this is done the student will be given final approval for admission, clearing him for registration. (See instructions for filing applications and programs.)
5. All applicants to a teacher-education program will be screened for characteristics that might impair their teaching effectiveness. The screening process will be part of CIF 300 which every applicant to teacher-education except music education majors must take. Music education majors will be screened by the Music Education Department. Any student who is not approved by the screening committee may appeal to the Dean of the College of Education and Psychology for further consideration by a special committee.

   The student will make application for admission to a teacher-education program during the quarter he takes CIF 300.

TEACHER-EDUCATION PROGRAMS AND REQUIREMENTS

No program in teacher-education is available to the student still enrolled in the Basic College. The student must be admitted to an upper-level college or school of the University and must be approved for a teacher-education program by the Dean of the College of Education and Psychology before entering upon the program.

Students enrolling in the College of Education and Psychology to seek a teaching degree must complete, in addition to the core requirements, the additional requirements of the College and the special requirements for the major and minor in teacher-education programs. These requirements are detailed below.

To prepare for a career in elementary education, grades one through eight, the student will engage in a comprehensive elementary education program which requires no minor area of study. The recommended program of studies is treated in detail under the Curriculum and Instruction Section of this catalog.

To prepare for a career in secondary education, grades seven through twelve, the student will major in an academic area and minor in secondary education, following the secondary education curriculum recommended below.

The academic majors available for certification in secondary education are:

Biology
Business Education (40-49 hours)
Chemistry
Economics*
English (45 hours)
French
General Science
General Speech
Geography*
German
History*
Home Economics (52 hours)**
Industrial Arts (45 hours)
Journalism
Library Science
Mathematics
Physics
Political Science*
Psychology
Sociology*
Spanish

*Students majoring in economics, geography, history, political science, or sociology and minoring in secondary education must include in their degree programs the following courses: world history—8 quarter hours; American history—8 quarter hours; Mississippi history—4 quarter hours; economics—4 quarter hours; political science—4 quarter hours; geography—4 quarter hours.

Note: One cannot be certified in economics, geography, history, political science, or sociology. (See note above for requirements). A major in one of the social studies areas is a University requirement.

**Home economics majors will enroll in the School of Home Economics but will also apply to the College of Education and Psychology for approval of their secondary education teaching program.

The special areas in which teacher-education programs are available, grades one through twelve, are:

College of Education and Psychology

Audiology***
Health and Physical Education (22 hours Health, 22 hours Physical Education)
Language Disorders***
Library Science
Special Education
Speech Pathology***

School of Fine Arts

Art Education
Music Education

***Curricula for the audiology, language disorders, and speech pathology major will be found in the Department of Speech and Hearing Sciences of the College of Arts and Sciences. Any student preparing to become a special areas teacher in one of these major fields will enroll in the College of Education and Psychology, and will then be assigned to the Department of Speech and Hearing Sciences for courses in the major. The teaching degree will be awarded by the College of Education and Psychology.

TEACHING DEGREES

The student preparing to teach will normally pursue the Bachelor of Science teaching degree which is offered only in the College of Education and Psychology. The major exception is home economics, as explained in the note above. The student preparing to teach may also pursue the Bachelor of Arts degree, with secondary education as the minor. The Bachelor of Arts teaching degree may be awarded by either the College of Arts and Sciences or the College of Education and Psychology. However, if the student elects to pursue the Bachelor of Arts degree from the College of Arts and Sciences with secondary education as a minor, the student's program must be approved by the Dean of the College of Education and Psychology (all requirements for admission into a teacher-education program being applicable).

CERTIFICATION

A student completing successfully any of the degree programs listed above will meet the requirements for certification in Mississippi. He will also meet the accrediting requirements of the National Council of Accreditation for Teacher Education, and he will receive the University of Southern Mississippi's institutional endorsement. Such institutional endorsement means that the student will be certified automatically in about thirty states in addition to Mississippi.

COMBINED BASIC COLLEGE CORE AND COLLEGE OF EDUCATION AND PSYCHOLOGY REQUIREMENTS FOR TEACHING DEGREE

In addition to the Basic College core curriculum, the requirements of the College of Education and Psychology consist of courses essential to certification and institutional endorsement. These requirements vary for elementary and secondary education degree candidates. The National Teacher Examinations are required of *all* candidates for the teaching degree.

ELEMENTARY EDUCATION

Students preparing for elementary teaching must satisfy the following program requirements. Due to the comprehensive nature of the elementary education sequence, the following courses satisfy Basic College core curriculum and major and minor area requirements for an elementary education major in the College of Education and Psychology. The combined requirements are:

Courses by Departments:	**Hours**
English 101, 102, 103, 201, 202 or 433	20
History 101 and 102	8
Science	20
Physical Science—FS 104 and 105—8 hours Biological Science—FS 106 and 107—8 hours Science Education 432—4 hours	
Mathematics 100 and 318	8
Social Science	12
Political Science 101—4 hours Elect **two** different courses from the following: Economics 200 or 251 Geography 103 Sociology 103 or 201—8 hours	
Physical Education—Freshman Courses, Health 179, and PE 409	11
Basic College Studies 50 (Non-credit)	0
Military Science (men only)	6
Public Address 101	4
Psychology 201, Educational Psychology 316 and 319	12
Allied Arts 100, Music 361, Music 362, Art 107 and 309	20
Foundations in Education 300, 416, and 469	12

Elementary Education 301, 305, 306, 309, 311, 317, 412 28
Student Teaching 480 or 482 and EED 343 16
Electives (including Military Science) 24

SECONDARY EDUCATION

As noted above, the student preparing to teach at the secondary school level takes an academic major in a subject-matter field and a minor in secondary education. Advisement in the subject matter area will be given by the department chairman or someone he designates. Advisement for professional education will be given by the chairman of the Department of Curriculum and Instruction.

English 101, 102, 103, 201, 202 or 433 20
History 101, 102 8
Science 16
Biological Science—8 hours
Physical Science—8 hours
Science majors must take laboratory sciences and should see requirements for majors in the sciences. Non-science majors may take Fundamentals of Science.
Mathematics (any four quarter hour course) 4
Social Science 12
Political Science 101—4 hours
Elect two courses from the following for 8 hours
Economics 200 or 251
Sociology 103 or 201
Geography 103
Philosophy 101
Other Courses—Students planning to enter the College of Education and Psychology must take the following 16
Health 179
Public Address 101
Psychology 201
Allied Arts 100
Secondary Education Minor
Foundations Education 300 4
Educational Psychology 332 and 319 8
Secondary Education 313, 451, and 481* 20
Foundations Education 469 4
Physical Education—three quarters 3
Basic College Studies 50 .....(Non-credit) 0
Military Science (for men) 6
Major requirements and electives will constitute the balance of the degree requirements.

*See student teaching below.

Requirements to teach social studies as a second field

Students wishing to teach social studies in secondary schools as a second field (most high schools in Mississippi desire teachers certified to teach in more than one field) should take the following courses, either as core or as electives:
History 101, 102, 251, 252, and 367 20
Secondary Education 451L 4
Political Science 101 (core requirement) 4
Economics 200 (or 251 and 252) ..... 4 or 8
Sociology 103 or 201 4
Geography 370 4
Social studies electives ..... 8 or 4

This list is designed to cover the principal social studies fields a high school teacher might be called upon to teach.

OFFICE OF STUDENT TEACHING

Leroy Rogers, Director
Brantley, Cooley, Padgett, Phillips, Scoggins, Sievers, Umholtz

The basic purpose of the student teacher program is to provide all students in teacher-education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. The student teacher's assignment is for a full-day, full-quarter for which he earns twelve quarter hours credit. Supervision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting both his request and application for student teaching.

REQUEST—Formal request must be submitted to the Office of Student Teaching during the registration period two quarters prior to student teaching. Request for fall quarter student teaching must be filed during the registration period of the previous winter quarter.

APPLICATION—On the day the student is regularly scheduled to register, one quarter prior to student teaching, the prospective student teacher must obtain his application for student teaching. The application must be completed and submitted with his adviser's signature within ten days.

All student teachers:

1. Must have completed a minimum of 132 quarter hours of college work.

2. Must have completed a minimum of twenty-four (24) quarter hours in his major field, eight (8) of which must have been taken in residence in this institution.

3. Must have at least a 2.2 overall grade average at the time he submits his application.

4. Must have completed the following courses—CIF 300. CIE 301, CIE 305, CIE 306, CIE 307, CIE 309, CIE 311, EPY 316, and SCE 432—if he is a candidate for student teaching in the elementary school.

5. Must have completed the following courses—CIF 300, EPY 319, EPY 332, CIS 451, and other methods—if he is a candidate for student teaching in the secondary school.

6. Must have passed the English Proficiency Examination.

7. Must have been admitted to a teacher-education program for at least two quarters.

8. Must expect to spend the entire school day in an off-campus school designated by the Director of Student Teaching.

Candidates for student teaching in the secondary school should register for CIS 313, **Principles of Teaching in High School**, simultaneously with student teaching.

Candidates for student teaching in the elementary school should register for CIE 343, **Methods and Materials in Elementary Education**, simultaneously with student teaching.

For specific requirements, see elementary education courses listed as CIE 480, 482, 489, and secondary education courses listed as CIS 481 A through S, and CIS 489.

Regulations for Admission to Student Teaching Seminar CIE 489 and CIS 489

Student teaching for in-service will be offered each summer quarter for eight (8) quarter hours. To be eligible for this course:

1. The applicant shall submit evidence of two years teaching experience and a recommendation from a principal or superintendent under whom the applicant has worked.
2. The applicant shall present evidence of a contract for the coming school year.
3. The applicant shall have previously earned sixteen (16) quarter hours from this institution and shall not be on probation.
4. The applicant must be in an undergraduate degree program at this institution.
5. The applicant must be teaching in Mississippi.
6. The applicant must meet all the requirements for student teaching.
7. Permission to enroll in these classes shall be granted by the Director of Student Teaching following an interview with the applicant.
8. Application for in-service student teaching must be made in the Student Teaching Office by March 30.

CURRICULAR REQUIREMENTS FOR NON-TEACHING DEGREES

The College of Education and Psychology offers major programs in corrective therapy, psychology, library science, office management, executive secretarial studies, recreation, and industrial technology leading to the Bachelor of Science non-teaching degree. Students in psychology, library science, and architectural technology may take programs leading to the Bachelor of Arts degree. The requirements for these non-teaching degrees are listed below.

Bachelor of Science (Non-Teaching)

English 101, 102, 103, 201, 202 or 433 20
History 101, 102 8
Science* 12
Mathematics 4
Social Science 12
Political Science 101—4 hours.
Elect two courses from the following for 8 hours
Economics 200 or 251
Sociology 103 or 201
Geography 103
Other Courses in the Basic College ..... 12 or 16
**Philosophy 101 or 210
Allied Arts 100
Public Address 101
Psychology 201
Basic College Studies 50 ..... (Non-credit) 0
Physical Education (three quarters) 3
Military Science (for men) 6

Major requirements and electives will constitute the balance of the degree requirements.

*Biology or physic recommended for psychology major.
**Psychology majors only.

Bachelor of Arts

Same as Bachelor of Science non-teaching degree with the addition of twelve (12) to eighteen (18) hours of a foreign language.

SPECIAL SCHOOL SERVICES

Audio-Visual Center

S. L. Knight, Director

Recognizing a need for audio-visual services in the state, the University of Southern Mississippi has established an Audio-Visual Center on the campus. Activities of the Center include a film service for Mississippi schools, a program for the use of audio-visual materials in University classes, and courses in audio-visual education taught both on and off the campus.

The Center is prepared to assist local schools in setting up a program for the use of audio-visual materials, and to assist through in-service and pre-service training in the interpretation of the values derived from the use of audio-visual instructional aids in education.

The film collection of the Audio-Visual Center comprises over 1,700 reels on educational subjects. The collection includes University-owned films and films deposited by members of the South Mississippi Educational Film Association. Through a cooperative agreement member schools buy a specified number of films which may be used each week from the total collection of the film library. Thus an educational film service is provided for the schools of Mississippi at a fractional part of rental charges customary with commercial film libraries. This cooperative film service has been in operation for a period of twenty-one years with a success which predicts a permanently functioning organization.

The film library, one of forty-nine in the United States with over 1,000 primary instructional films, is an important part of the audio-visual courses providing many stimulating opportunities for students enrolled in audio-visual education.

For further information, any school interested in membership in the South Mississippi Educational Film Association should write to:

Director, Audio-Visual Center
University of Southern Mississippi
Southern Station, Box 54
Hattiesburg, Mississippi 39401

Psychological and Special Education Clinic

L. Erl Mehearg, Director

The University of Southern Mississippi, through the Psychological Clinic, affords graduate students in psychology opportunities for clinical experience in a psychology practicum setting. Training and experience in diagnostic testing, psychological appraisal, psychotherapy, and behavior modification techniques are the primary focus of the Clinic's function. Work with both children and adults provides doctoral level graduate students specializing in the clinical area with a variety of experiences with different forms of maladaptive behavior and learning problems.

Another major function of the Clinic is to provide psychological services to University students. Additionally, service to the community and to the state in the form of diagnosis and treatment of emotional and learning problems is an important function of the Clinic.

Members of the Clinic's staff and the Psychology Department offer consultation to other clinics on the campus and work with them on various related problems.

University students, faculty and staff personnel, public school teachers, physicians, and other interested persons may obtain psychological services by applying to the Clinic.

The Developmental Reading Center

David W. Knight, Director

The Developmental Reading Center's primary concern is that of educating teachers in methods, techniques, materials, and equipment for the effective teaching of reading. Additional functions include the training of graduate students for reading specialization in developmental or diagnostic and remedial reading. The Center is able to offer limited services in diagnosis of reading problems and remedial reading to children referred to the Center. The cost of the diagnostic evaluation which includes a suggested program of remedial procedures is $20.00, or a proportionate part, based on ability to pay. Remedial instruction is $1.25 per hour.

Consultant services are available to schools throughout the state. An up-

to-date collection of materials used for reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special reading instruction by applying at the Center. The type of instruction offered will depend upon the type of help needed and the availability of instruction at the time of application. University students can also receive instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through enrolling in the Center's "Improvement of Study" course.

An annual reading conference is held each June. Nationally known reading authorities are featured on the program.

Speech and Hearing Center

Robert B. Mahaffey, Director

The Speech and Hearing Center is operated by the Department of Speech and Hearing Sciences in the College of Arts and Sciences, but it works with the College of Education and Psychology very closely in the preparation of Special Education teachers.

This Center has a dual function. It provides facilities for the training of specialists in the area of clinical speech, audiology, and language disorders, and provides clinical services for persons with speech, hearing, and language problems.

The Center's services include both diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems. These services are available to both University students and members of the community at nominal fees.

Speech and Hearing Center Services:

Audiometric Pure Tone Test	$ 5.00
Diagnostic Hearing Evaluation	10.00
Hearing Aid Evaluation	15.00
Hearing Evaluation for Medical-Legal Compensation Claims	25.00
Diagnostic Speech Evaluation	10.00
Speech or Hearing Therapy fees per session	2.00
Therapy fees for University students per quarter	5.00

DEPARTMENT OF BUSINESS EDUCATION (BED)

Annelle Bonner, Chairman

Baldwin, Bishop, Conerly, Frink, Reck, R. Taylor

The Department of Business Education offers curricula in business teacher education, office management, a four-year program in executive secretarial studies, and a two-year program leading to a specialized certificate in secretarial training.

The student who plans to teach business subjects on the high school level will follow the curriculum prescriptions which lead to the Bachelor of Science teaching degree. He will enroll in the College of Education and Psychology upon completion of his work in the Basic College and, therefore, must meet the admission requirements for that College. His major field of concentration will be in business subject matter prescribed by the Department of Business Education. The professional education and psychology requirements constitute the minor.

The recommended minor in secretarial studies is twelve (12) hours in typewriting, twelve (12) hours in shorthand, and twelve (12) hours in advanced business education courses. A year of typewriting and a year of shorthand taken in high school will reduce the number of recommended hours to twenty-eight (28).

To complete the curriculum requirements in business teacher education, executive secretarial studies, or secretarial training, one course in typewriting and one course in shorthand must be taken at the University of Southern Mis-

sissippi. A student with one year of typewriting in high school cannot get credit for BED 101, and a student with one year of shorthand in high school cannot get credit for BED 201. A student who has had more work than this in either or both fields should consult with the chairman of the Department of Business Education about the appropriate beginning courses for his program.

Business Teacher Education

College Core Requirements		79 or 85
English 101, 102, 103	12	
English 201	4	
English 202 or 433	4	
History 101, 102	8	
Mathematics	4	
Science—Biological and Physical (may be Fundamentals of Science)	16	
Political Science 101	4	
Economics 251	4	
Health 179	4	
Sociology 103 or 201, or Geography 103	4	
Public Address 101	4	
Psychology 201	4	
Allied Arts 100	4	
Basic College Studies 50	(Non-credit) 0	
Physical Education (three quarters)	3	
Military Science (for men)	6	
Professional education and psychology		36
These courses constitute the minor in business teacher education. The special method course is CIS 451A.		
Departmental subject matter requirements		80
BED 102, 310; BED 201, 202, 305, 371, 372; ACC 201, 202, 203; BED 300, 352, 354, 385, 450, 452, 453, 460; ECO 252; FIN 310, 389; and MKT 300. Business skills courses taken in high school will reduce the total number of hours required for the major.		
Electives to complete a total of 192 hours		
		192

Office Management

Freshman and Sophomore Curriculum		105
English 101, 102, 103, 201, 202 or 433	20	
History 101, 102	8	
Science	12	
Mathematics	8	
(Mathematics 100 or Algebra 101, Mathematics 112 or 320)		
Social Science	16	
Political Science 101	4	
Economics 251, 252	8	
Sociology 103 or 201; Geography 103 or Philosophy 101 (select one)	4	
Health 179	4	
Public Address 101	4	
Psychology 201	4	
Allied Arts 100	4	
Accounting 201, 202, 203	12	
Basic College Studies 50	(Non-credit) 0	
Physical Education (three quarters)	3	
Military Science (for men)	6	
Electives to complete 105 hours		
		105

Major requirements 78
- Business Education 101, 102, 310—Typewriting 12
- Business Education 300—Business Writing 4
- Business Education 352—Filing Systems and Records Management 2
- Business Education 354—Problems in Typewriting 2
- Business Education 385—Office Practice and Procedures 4
- Business Education 450—Office Appliances 4
- Business Education 460—Office Management 4
- Marketing 300—Principles of Marketing 4
- Finance 310, 311—Business Law, 375—Report Writing, and 389—Business Finance 14
- Economics 330—Money and Banking 4
- Management 360—Principles of Management, 364—Personnel Management, 454—Human Relations, and 464—Motion and Time Study 16
- Psychology 202—Applied Psychology 4
- Psychology 449—Industrial Psychology 4
- *See note below relative to business skills courses.

Electives to total 192 hours 12

192

Executive Secretarial Studies

Freshman and Sophomore Curriculum 105
The same curriculum as shown for Office Management with this exception: Only four hours of mathematics are required.

Major requirements 72
- *Business Education 101, 102, 310—Typewriting 12
- *Business Education 201, 202, 305, 371, 372—Shorthand 20
- Business Education 300—Business Writing 4
- Business Education 352—Filing Systems and Records Management 2
- Business Education 354—Problems in Typewriting 2
- Business Education 385—Office Practice and Procedures 4
- Business Education 450—Office Appliances 4
- Business Education 460—Office Management 4
- Marketing 300—Principles of Marketing 4
- Finance 310, 311—Business Law; 389—Business Finance 12
- Economics 330—Money and Banking 4
- *Business skills courses taken in high school will reduce the total number of hours required for the major. Hours thus saved may be applied to these recommended courses: Finance 100—**Introduction to Business; Psychology 202—Applied Psychology; Sociology 103—Introduction to Sociology; CIF 334—Improvement of Study**

Electives total 192 hours 15

192

Secretarial Training
Two-Year Curriculum

Required core courses 27
- English 101, 102, 103—English Composition 12
- Public Address 101—Oral Communication 4
- Mathematics 100—Basic Mathematics, 101—Algebra 4
- Basic College Studies 50 ..... (Non-credit) 0
- Physical Education (three quarters) 3
- Social Studies—Government 101, History 101 or 102, Sociology 103, Geography 143, or Psychology 201 (Select one) 4

Required business courses as listed below 68

*Business Education 101, 102, and 310—Typewriting	12
*Business Education 201, 202, 305, 371, and 372—Shorthand	20
Business Education 300—Business Writing	4
Business Education 352—Filing Systems and Records Management	2
Business Education 354—Problems in Typewriting	2
Business Education 385—Office Practice and Procedures	4
Business Education 450—Office Appliances	4
Business Education 460—Office Management	4
Accounting 201 and 202—Principles of Accounting	8
Economics 251—Principles of Economics	4
Finance 310—Business Law	4
Elective	4
	96

*A student who has had one year of typewriting in high school will start his program with BED 102; one who has had a year of shorthand in high school, with BED 202. The hours saved are to be used on the following courses: FIN 100, ECO 252, ACC 203, MKT 300, CIF 334, or the social studies courses listed in the core requirements.

BUSINESS EDUCATION COURSES (BED)

101—**Elementary Typewriting.** Four hours.

This course is for beginners in typewriting. Emphasis is given to acquiring keyboard control, developing correct typewriting techniques, and applying this acquired skill to letter writing and simple tabulated reports. No credit is given to a student whose high school transcript shows one unit in typewriting.

102—**Intermediate Typewriting.** Four hours.

Prerequisite: Satisfactory completion of BED 101 with grade of C or better or equivalent.

A review of keyboard and manipulative controls, with emphasis on letter styles, manuscripts, and tabulated reports. Students who have had more than one year of typewriting in high school should enroll in BED 310.

201—**Beginning Shorthand.** Four hours.

Three hours laboratory per week in addition to regular classes.

The theory and practice of Gregg shorthand, with emphasis on fluency of writing and reading; a limited amount of dictation and transcription. English 101, 102, and 103 to be taken concurrently or to have been completed previously.

No credit is given to a student whose high school transcript shows one unit in shorthand.

202—**Intermediate Shorthand.** Four hours.

Prerequisite: Satisfactory completion of BED 201 with grade of C or better, or equivalent.

Three hours laboratory per week in addition to regular classes.

Completion of theory of Gregg shorthand, with some emphasis on dictation and transcription. English 101, 102, and 103 to be taken concurrently or to have been completed.

Students who have had more than one year of shorthand in high school should enroll in BED 305.

300—**Business Writing.** Four hours.

Prerequisite: ENG 101, 102, and 103, and ability to typewrite.

A study of principles and techniques used in writing effective business letters, memorandums, and other forms of business communication. Emphasis is placed on analyzing and solving business problems through written communication.

305—**Dictation and Transcription.** Four hours.

Prerequisite: Satisfactory completion of BED 202 with grade of C or better, or two years of high school shorthand.

Three hours laboratory per week in addition to regular classes.

A constant automatic review of shorthand theory, developing the student's shorthand speed, and emphasizing mailable transcripts.

310—**Advanced Typewriting.** Four hours.

Prerequisite: Satisfactory completion of BED 102 with grade of C or better, or equivalent.

Preparation of stencils, business forms, and legal documents; additional emphasis on tabulations, manuscripts, and letter forms, as well as on speed and accuracy.

340—**Adding and Calculator Machine Operation.** Two hours.

Sufficient practice provided to develop a thorough working knowledge of the operations involved in the use of the following machines; rotary and printing calculators, and full keyboard and ten-key adding machines. This course may not be taken for credit by a student who has had BED 450 or its equivalent.

352—**Filing Systems and Records Management.** Two hours.

An introduction to major filing systems in business, with a study of standard rules for alphabetizing, practice in the use of common systems of filing, and the application of filing principles to specific types of businesses.

354—**Problems in Typewriting.** Two hours.

Prerequisite: Satisfactory completion of BED 310 with grade of C or better.

A review of techniques in skill building, with development of speed and accuracy in typing a variety of office forms and emphasis on shortcuts in production typewriting.

371—**Advanced Dictation and Transcription.** Four hours.

Prerequisite: Satisfactory completion of BED 305 with grade of C or better.

Three hours laboratory per week in addition to regular classes.

Emphasis on dictation and transcription using the vocabulary of different departments of businesses.

372—**Executive Secretarial Shorthand.** Four hours.

Prerequisite: Satisfactory completion of BED 371 with grade of C or better.

Three hours laboratory per week in addition to regular classes.

The finishing course in shorthand dictation and transcription, with primary emphasis on mailable copy.

385—**Office Practice and Procedures.** Four hours.

Prerequisite: Satisfactory completion of BED 102 with grade of C or better, or equivalent.

A course covering practical secretarial problems and the developing of an employable personality.

450—**Office Appliances.** Four hours.

Prerequisite: Satisfactory completion of BED 101 with grade of C or better, or equivalent.

Sufficient practice to develop a thorough working knowledge of the operations involved on calculators, adding machines, posting machines, transcribers, electric typewriters, mimeoscope, and direct process mimeograph duplicators.

This course may not be taken for credit by a student who has had BED 340 or its equivalent.

452-G452—**Philosophy of Vocational Business Education.** Four hours.

History of vocational business education; changing concepts resulting from Federal legislation; changing nature of office systems and occupations; changing employment opportunities and consequent changes in procedures and techniques of vocational business education.

453-G453—**Coordination of Office Occupations Programs.** Four hours.

Problems of the coordinator in the development of programs to meet the needs of employed youth and adults in the office occupations programs.

460-G460—**Office Management.** Four hours.
A study of the principles of management as applied to office work, covering office organization, supervision, layout, supplies, machines, personnel, office forms and reports, and office services.

DEPARTMENT OF ADMINISTRATIVE PERSONNEL AND SERVICES

James H. McPhail, Acting Chairman
Anderson, Ashburn, Baxter, Braun, Holden, Knight, Lucas, McQuagge, R. Owings

The Department of Administrative Personnel and Services offers programs for the preparation of administrators for the public schools and colleges and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the Master's degree, the sixth year specialist certificate, and the doctor's degree. For a description of these programs, consult the **Graduate Bulletin.**

DEPARTMENT OF CURRICULUM AND INSTRUCTION

E. M. Gunn, Chairman
L. C. Welker, Co-Chairman, Undergraduate Teacher Education
P. W. Peddicord, Co-Chairman, Graduate Teacher Education
Brantley, Campbell, Carmichael, Cook, Cooley, Cunningham, B. Davis, Easterling, Hagenson, Irby, D. Knight, S. Knight, Landskov, Miller, Padgett, O. Phillips, L. Posey, L. L. Rogers, Scoggins, Sievers, Spurlin, R. Thomas, Umholtz, Van Deusen, Wall, Warren

JOINT ASSIGNMENT WITH OTHER DEPARTMENTS: Breland, English; F. Brown, Science Education; Everett, Communication; Felder, Mathematics; Hunter, Industrial Arts; M. C. Johnson, Physical Education; S. Johnson, Foreign Language; King, Mathematics; Poirier, Art; Reck, Business Education; Wilber, Social Studies

REQUIREMENTS FOR ELEMENTARY EDUCATION MAJOR

Students preparing to teach in the elementary school will enter a comprehensive Elementary Education Program of studies which does not require an academic minor. The elementary education sequence, therefore, includes all requirements to satisfy both the major and minor area of study. The National Teacher Examinations and the English Proficiency Examination are required of **all** candidates for the teaching degree.

The required courses an elementary education major must satisfy are listed below in suggested sequence. Basic College students may be admitted to the College of Education and Psychology and teacher-education upon the completion of sixty-four (64) quarter hours work in the Basic College.

The Basic College requirements for elementary education are listed under the freshman and sophomore year schedules. Courses appearing in the junior and senior year schedules are reserved entirely for those students who have been admitted to teacher-education. In addition to the general elementary education program, the Department of Curriculum and Instruction also offers a parallel program in early childhood education. The freshman and sophomore year requirements are identical for early childhood majors as in the instance of general elementary majors. Also, formal admission to the College of Education and Psychology, including acceptance of all appropriate forms, must be filed for early childhood education majors. Four undergraduate courses, including student teaching, are offered in support of early childhood education majors. Occasional substitutions are provided for the early childhood major as applies to the general elementary program of studies. Program substitutions must be recommended by the faculty advisers with principal responsibility in early childhood education and approved by the chairman of the Department of Curriculum and Instruction.

FRESHMAN YEAR

	Hours
English 101, 102, 103	12
History 101, 102	8
Mathematics 100	4
Science	16
Physical-FS 104 and 105—8 hours	
Biological-FS 106 and 107—8 hours	
(FS 104 is prerequisite to all sciences)	
Basic College Studies 50 (Non-credit)	0
Physical Education Activity Courses (3 courses)	3
Art 107	4
Military Science (men only)	3

SOPHOMORE YEAR

English 201, 202 or 433	8
Allied Arts 100	4
Health 179	4
Public Address 101 or 301	4
Social Science	12
Political Science 101—4 hours	
Elect two different courses for 8 hours from:	
(A) Economics 200 or 251	
(B) Sociology 103 or 201	
(C) Geography 103	
Psychology 201 (sophomore year only)	4
Educational Foundations 300 (to be taken last quarter of sophomore year or first quarter of junior year)	4
Military Science (men only)	3

JUNIOR YEAR

CIE 301—Methods and Materials in Arithmetic	4
CIE 305—Social Studies in the Elementary Grades	4
CIE 306—Language Arts in the Elementary School	4
ART 309—Elementary School Art	4
CIE 309—Developing Skills in Reading	4
CIE 311—Developmental Reading in the Elementary School	4
EPY 316—Human Growth and Development, Pt. I, Child	4
CIE 317—Methods and Materials in Children's Literature	4
MAT 318—Mathematics for Elementary School Teachers	4
EPY 319—Educational Psychology	4

SENIOR YEAR

MED 361—Music for Elementary Teachers, I	4
MED 362—Music for Elementary Teachers, II	4
PE 409—Physical Education in the Elementary School	4
CIE 412—Diagnosis and Remediation of Reading Disability for the Classroom Teacher	4
CIF 416—Audio-Visual Education	4
SCE 432—Science for Elementary Teachers	4
CIF 469—Tests and Measurements	4
CIE 480-482—Student Teaching in the Elementary Schools and CIE 343, Methods and Materials in Elementary Education	16
Total Hours	168
Electives (including Military Science)	24
Grand Total	192

ELEMENTARY EDUCATION COURSES (CIE)

301—**Methods and Materials in Arithmetic.** Four hours.

A course in the methods of teaching arithmetic in the elementary grades. Special attention is given to developing an understanding of numbers, teaching basic combinations, and the use of arithmetic textbooks and workbooks.

305—**Social Studies in the Elementary Grades.** Four hours.

Social studies in the broad fields and core curriculum with emphasis on objectives and content. Areas, sequence of units, and the evaluation of social studies units for elementary grades are stressed.

306—**Language Arts in the Elementary School.** Four hours.

A course dealing with the development of skills in writing, spelling, listening, speaking, and related fields.

309—**Developing Skills in Reading.** Four hours.

An undergraduate course which makes an intensive study of the skills required in reading; methods and materials required to teach these skills; and classroom techniques for evaluating proficiency in the development of reading skills.

311—**Developmental Reading in the Elementary School.** Four hours.

Prerequisite: CIE 309.

A study of reading as a growth process and as a developmental task; to include also the nature and principles of a developmental program with flexible grouping. Consideration will be given to the slow-learner and the gifted child with regard to reading.

317—**Methods and Materials in Children's Literature.** Four hours.

Reading in mythology, legend, history, biography, fiction, and poetry. Narrative and dramatic presentation. Comparative editions, graded bibliographies, and standard practice in building collections of books for children.

330—**Readiness Programs for Young Children.** Four hours.

A course of study dealing with varied phases of comprehensive readiness programs for young children. Emphasis is placed upon the experience method, and social factors are treated in detail.

343—**Methods and Materials in Elementary Education.** Four hours.

An examination of materials and their relatedness to methods. Stresses approved techniques in light of research in these fields: Language arts, social studies, number relationships, handwriting, spelling, science, health, and creative experiences. Only offered concurrently with student teaching.

403-G403—**Kindergarten-Primary Education.** Four hours.

A study of the contributions which group living makes to the mental and physical health of young children, with emphasis upon child development research in curricular experiences and records. Designed to help teacher and parents understand the readiness program. Laboratory is included.

412-G412—**Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** Four hours.

Prerequisite: CIE 311 or CIS 311.

This course deals with the need for corrective and remedial reading in the school; nature and causes of reading disability; procedure in making a classroom diagnosis, including interpretation of results; remedial treatment of reading difficulties to include techniques and materials; and some opportunity for testing and remedial teaching in the public schools.

414—**Creative Dramatics for Children.** Four hours.

Prerequisite: Consent of the instructor. Fundamentals of organizing and developing creative dramatics program with elementary school age children.

415—**Fundamentals of Children's Theatre.** Four hours.

Prerequisite: Consent of the instructor. Laboratory and instruction in the methods and techniques of producing plays for elementary school age children.

425—**Methods and Materials in Early Childhood Education.** Four hours.

A sequential investigation into recommended methods of teaching and suitable instructional materials for young children. Special emphasis is placed upon early primary programs including kindergarten, day care centers, child welfare, and other institutional care for young children.

427—**Evaluation in Early Childhood Education. Four hours.**

A course of study concerned with evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children. A case study is required including cumulative records, interviews, and comprehensive evaluation. (To be offered concurrently with the student teaching sequence.)

480—**Student Teaching in Lower Elementary.** Twelve hours.

Prerequisites: CIF 300, CIE 301, 305, 306, 309, 311, EPY 316, and SCE 432.

Students arrange for this course with Director of Student Teaching two quarters in advance. (CIE 343—Methods and Materials in Elementary Education is concurrent with this course.)

482—**Student Teaching in Upper Elementary.** Twelve hours.

See statement under CIE 480.

484—**Student Teaching in Lower Elementary.** (Early Childhood Education) Twelve hours.

Students arrange for this course with the Director of Student Teaching two quarters in advance.

489—**Seminar in Elementary Student Teaching.** Eight hours.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment. The applicant must be teaching in Mississippi.

490-G490—**Workshop in Aviation Education.** Four hours.

491-G491—**The Reading Conference I, II, III.** One and one-half hours each.

An intensive program for five days during the summer quarter consisting of lectures, group discussion, and demonstration lessons.

496—**Projects in Elementary Education I, II, III.** Four hours.

Designed for school systems planning local projects of curriculum revision and course of study construction. Available for credit more than once if projects require more than one quarter to complete.

REQUIREMENTS FOR SECONDARY EDUCATION MAJOR

The student who plans to teach at the high school level will work toward the Bachelor of Science "Professional" degree. This degree requires an academic major and a minor in secondary education. The majors available for this degree are listed under the General Degree Requirements Section of this catalog. The Basic College, school, and professional or minor requirements are listed on preceding pages. The National Teachers Examinations and the English Proficiency Examination are also part of the degree requirement. A student in secondary education will have two advisers: the chairman of the Department of Curriculum and Instruction and the chairman of the department in which he is majoring. Students should also read carefully the requirements for student teaching. No more than twelve (12) quarter hours in professional education courses taken by correspondence may be accepted for a degree.

The "professional" degree meets the requirements for certification by state and national certification agencies.

SECONDARY EDUCATION COURSES (CIS)

310—**Junior-Senior High School Reading Methods.** Four hours.

A course designed to familiarize junior and senior high school teachers with reading methods and materials. Special emphasis is placed on improving reading skills in the subject matter areas and providing suitable material for poor readers.

313—**Principles of Teaching in High School.** Four hours.

Taken simultaneously with CIS 481.

Aims of secondary education, motivation and direction of learning, school organization, including guidance, and an introduction into methodology.

451A—**Methods in Business Education.** Four hours.

A study of business education trends and aims, teaching procedures, tests and measurements, special helps, and teaching materials.

451B—**Methods in Art.** Four hours.

Aims, objectives, and methods of art education in the elementary and secondary schools.

451G—**Methods in Industrial Arts.** Four hours.

Methods and materials in the teaching of industrial arts.

451H—**Methods in English—Secondary.** Four hours.

Required of English majors who follow the professional teaching program. Should be taken in the third quarter of the junior year or in the summer preceding the senior year. A course in methods of teaching English in the junior and senior high schools.

451I—**Methods in Foreign Languages.** Four hours.

Required of foreign language majors who follow the professional teaching program. A course in methods of teaching French, Spanish, and German in high schools.

451J—**Methods in Teaching Science—Secondary.** Four hours.

Prerequisite: Senior standing (this course should be taken one or two quarters before student practice teaching).

A course designed to familiarize teachers with trends in the secondary science curriculum. It includes a study of materials and techniques used in presenting subject matter to the secondary school student. Emphasis is placed upon the design of activities dealing with science as a form of inquiry and investigation. Readings are required in the science and science education periodicals.

451K—**Methods in Mathematics—Secondary.** Four hours.

Should be taken after the student has completed most of his mathematics courses.

A course designed to give the student a knowledge of the foundation on which mathematics is built, the aims and purposes of teaching the subject in high school, curriculum problems, organization and presentation of subject matter, methods of teaching, and methods of testing.

451L—**Methods in Social Studies—Secondary.** Four hours.

Prerequisite: EPY 319 or consent of instructor.

A study of principal methods of teaching, application of psychological principles to teaching, methods of selecting content, and materials available. The work is adapted to the social studies in the high school.

451M—**Methods in Speech.** Four hours.

Prerequisite: Consent of instructor.

A general orientation to the teaching of speech, following by individualized unit work in the special fields of speech.

451P—**Methods and Principles in Health, Physical Education, and Recreation.** Four hours.

For grades 1 through 12. Primarily for students majoring or minoring in health, physical education, and recreation. Materials and techniques of teaching health, physical education, and recreation in public schools.

451T—**Methods in Journalism.** Four hours.

A course designed to prepare the student for the teaching of journalism on the secondary school level. Should be scheduled after the student has taken the majority of his courses in journalism.

462-G462—**Curriculum of the Secondary Schools.** Two hours.

A critical examination of the present day curriculum with emphasis upon the core curriculum.

464-G464—**Student Activities in Secondary Schools.** Two hours.

Consideration is given to the general nature and organization of the program popularly known as extra-curricular activities. Major emphasis is placed upon the various activities that constitute an activity program in a modern high school.

481-A-T—**Student Teaching in High School.** Twelve hours.

Prerequisites: The completion of 132 hours of college courses including CIF 300, EPY 332, CIS 451, and two-thirds of the work in the student's major field, of which at least eight (8) hours must have been taken in residence in this institution. (See Student Teaching.)

The individual courses in pre-service student teaching are listed below:

481A (Business Education) .....Twelve hours
481B (Art) .....Twelve hours
481G (Industrial Arts) .....Twelve hours
481H (English) .....Twelve hours
481I (Foreign Languages) .....Twelve hours
481J (Sciences) .....Twelve hours
481K (Mathematics) .....Twelve hours
481L (Social Studies) .....Twelve hours
481M (Speech) .....Twelve hours
481P (Health, Physical Education, Recreation) .....Twelve hours
481R (Library Science) .....Twelve hours
481S (Music Education) .....Twelve hours
481T (Journalism) .....Twelve hours

489—**Seminar in Secondary Student Teaching.** Eight hours.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment. The applicant must be teaching in Mississippi.

FOUNDATIONS COURSES (CIF)

300—**Public Education in the United States.** Four hours.

An orientation to public education in the United States including the background, purposes, organization, trends, and issues and the evolution of teaching as a profession.

To be taken the last quarter of the sophomore year.

Required as a phase of screening for admission to a teacher-education program in the College of Education and Psychology.

334—**Improvement of Study.** Two hours.

Prerequisite: Permission of the instructor.

An analysis of effective study techniques for use by secondary school teachers. Useful for college students who wish to improve their own reading and study habits.

336—**Principles of Guidance.** Four hours.

An introductory course dealing with the fundamental philosophy, methods, and organization of guidance services in the public schools.

416—**Audio-Visual Education.** Four hours.

A general course for teachers with emphasis upon sound and visual classroom teaching aids. Careful attention given to the sources, selection, preparation, and uses of audio-visual materials.

469—**Tests and Measurements.** Four hours.

Prerequisites: EPY 319, 332, or 316, and senior standing.

Consideration of good evaluative practices in elementary and high schools, the preparation and use of informal objective and essay-type tests, a study of typical standard tests, and an introduction to elementary statistical procedures useful in interpretation of results.

DEPARTMENT OF GUIDANCE (GED)

John D. Alcorn, Acting Chairman

C. Allen, Boroughs, Gates, Gutsch, S. Weatherford

The Department of Guidance offers separate curricula at the graduate level to prepare candidates in three areas of personnel and guidance work. These areas are: (1) public school counselors; (2) college and junior college counselors, personnel workers and specialists; and (3) counselors, personnel workers, and specialists in community agencies. See the **Graduate Bulletin** for the course patterns of each curriculum mentioned. The Department of Guidance offers work leading to the Master of Education, Master of Science, Specialist in Education, Doctor of Education, and Doctor of Philosophy degrees. (Note: If included in a Master's degree: the GED courses 506, 522, 571, 581, 582, 587, 593 I, II, or 600 will meet Mississippi State Department of Education's academic requirements for certification as a school counselor.)

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

C. E. McCarver, Chairman

Instructors: Babin, Broom, M. Brown, Carpenter, Gleaton, Grantham, Halliday, Harris, M. C. Johnson, R. Johnson, Lott, S. Martin, Milam, Nesbitt, Slay, Stafford, Switzer, Terry Townley, Webb, Yarrow.

Varsity Coaches: Barfield, Berry, Clark, Cook, Floyd, R. Green, Harrington, Owens, Poole, Taylor, Vann, Van Hook

Clinical Faculty: L. B. Lamm M.D., Director, Biloxi Veterans Administration Center; E. L. Maddry, M.D.; A. J. Roberts, M.D.; S. A. Chavez, M.D.; R. A. Parrish; R. Martin.

The program for the Department of Health, Physical Education, and Recreation is designed to meet the following objectives: (1) to promote the health and fitness of University students; (2) to provide information and a scientific basis for the formation of sound health attitudes and habits; (3) to offer opportunities for recreation; (4) to prepare teachers, coaches, health educators, supervisors, administrators, recreation directors, and other specialists in the field of school and community health, safety, physical education, and recreation.

The Department emphasizes the close relationship of health, physical education, and recreation. Students majoring in the Department are expected to acquire an understanding of this relationship to enrich whatever area of special concentration they may eventually select.

REQUIRED PROGRAM

Physical education activity courses are required of all students during the freshman year. Marching Band members (Fall Quarter), Dixie Darlings (Fall Quarter), and Pom Pon Girls will be excused from this requirement during one quarter each year of participation. Varsity athletes will be excused from

this requirement while participating in varsity sports. Students are required to have suitable uniforms as determined by the Department.

DEPARTMENTAL PROGRAMS

Bachelor of Science Professional Degree in Health and Physical Education

The major in Health and Physical Education for the Bachelor of Science Professional degree requires forty-four (44) quarter hours above the Basic College Core with a minimum of twenty-two (22) hours in health and the remainder of the forty-four (44) hour requirement in physical education and professional requirements (see certificate requirements).

Recommended courses in major include:

Health 482, 455, 484, 485.

Physical Education 46, 47, 48, 314 (women only), 378, 379, 405 and 406 (men only), 410 or 410W, 412.

ALTERNATE CORRECTIVE THERAPY CURRICULUM LEADING TO A NONPROFESSIONAL DEGREE IN HEALTH AND PHYSICAL EDUCATION

Recommended courses:

Biology 228, 229

Health 179, 452, 482, 485

Physical Education 379, 401, 412

Psychology 337, 445, 481

BACHELOR OF SCIENCE DEGREE IN RECREATION

Departmental Requirements:

Recreation 420, 430, 433, 440, 445, 450, 469, 470, 474, 481, 488.

A minor from areas related to recreation, as listed below:

	Hours
BED 460—Office Management	4
1A 314—Leather Craft	3
or	
IA 315—Plastics	3
MED 382——Recreation Music	4
FIN 320—Personal Finance	4
MGT 364——Personnel Management Prerequisite: MGT 360	4
SOC 429—Juvenile Delinquency	4
PE 341—Square Dancing	1

RECREATION COURSES (REC)

420—History and Principles of Recreation	4
433—Camp Counseling and Administration of Camping	2
440—Recreational Leadership Theory	4
445—Social Recreation Programming	2
469—Recreational Skills	4

The above listed courses in recreation are **prerequisites** for the following courses:

430—Outdoor Education and Recreation 4
450—Youth Service Programs 4
470—Park and Recreation Areas and Facilities 4
474—Community Centers and Playgrounds 4
481—Introduction to Administration of Recreation Service 4
488—Field Work in Recreation 4-12
Also offered in the recreation area is:
382—Marksmanship 2

DEPARTMENTAL MINORS

Minor in Health and Physical Education With Emphasis in Dance

A minor in health and physical education with emphasis in dance may be obtained by completing twenty-eight (28) hours in ballet, tap, modern, social, folk, square dance, and related areas.

Minor in Health and Physical Education With Emphasis in Health

This minor may be obtained by completing the following requirements:

Health 179, 333, 335, 425, 437, 485, and electives to equal twenty-eight (28) hours.

Minor in Health and Physical Education With Emphasis in Physical Education

This minor may be obtained by completing the following requirements:

Physical Education 379, 405, 411, 412

Physical Education—men—402, 410 and electives to equal twenty-eight (28) hours.

Physical Education—women—314, 400, and electives to equal twenty-eight (28) hours.

CERTIFICATE PROGRAMS

All health, physical education, and recreation majors are encouraged to acquire certificates in the following areas:

Driver Education Instructor

Issued by the University of Southern Mississippi for the Mississippi State Department of Education and the American Automobile Association (HTH 333, 335, 437, and 453)

Swimming and Water Safety

Senior Life Saving and Water Safety

Issued by the University of Southern Mississippi for the American Red Cross (PE 403)

Water Safety Instructor

Issued by the University of Southern Mississippi for the American Red Cross on completion of Life Saving and Water Safety requirements and PE 404

First Aid

First Aid Certificate

Issued by the University of Southern Mississippi for the American Red Cross (HTH 333)

First Aid Instructor's Certificate

Issued by the University of Southern Mississippi for the American Red Cross on completion of requirements for Standard First Aid Certificate and HTH 343

Instructor in Marksmanship

Issued by the University of Southern Mississippi for the National Rifle Association of America (REC 382)

Corrective Therapy Certificate

Certificate in Corrective Therapy issued on completion of therapy training and satisfactorily passing the examination by the American Board for Certification of Corrective Therapists.

HEALTH COURSES (HTH)

127—**Community Health.** Four hours.
Community control of environmental health hazards, community control of disease; health agencies.

179—**Personal Health.** Four hours.
The human body and its function as related to problems of health and disease.

333—**First Aid.** Two hours.
Standard first aid as approved by the American Red Cross. Emphasis on preparing students in the knowledge and skills needed in preventing accidents as well as rendering first aid to the victim of accidents and sudden illness.

335—**Safety Education.** Two hours.
A study of the general program of safety education in public schools, with special reference to the selection and knowledge of materials, including methods and techniques of instruction: visual aids, safety projects, special programs, and the utilization of new methods of civil defense.

343—**Advanced and Instructor First Aid.** Two hours.
Prerequisite: HTH 333.
An advanced study certifying personnel to conduct first aid courses in schools and community; new methods of civil defense.

380—**Anatomical Structures Related to Movement.** Four hours.
Prerequisites: BIO 101 and 102.
A study of the skeletal, muscular, circulatory, and neurological structures pertinent to human movement.

425—**Problems of Child Health.** Four hours.
Child safety, nutrition, diseases of children, mental health of children, growth.

431—**Sanitation.** Four hours.
Problems of sanitation in the home and school, in food, producing and handling, water supply, waste and excreta disposal. Based on an understanding of general biology.

437-G437—**Introduction to Driver Education.** Four hours.
Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation, and traffic law and regulations. Includes introduction of laboratory experiences in the use of psychophysical testing and in the development of driving skills.

452—**Physiology of Exercise.** Four hours.
Prerequisite: HTH 380.
A study of the physiological changes which occur in the body during muscular activity.

453-G453—**Methods of Driver and Traffic Safety Education.** Four hours.
Prerequisite: HTH 437.
Methods and techniques to develop competence in transferring knowledge and skill as well as inspiring satisfactory attitudes. Organization and administration of the program, including scheduling, financing, and developing good public relations.

454—**Health Education in Elementary Schools.** Four hours.
Methods and materials for the elementary teacher, with special emphasis on instruction and on coordination of school and community health programs.

455—**Health Education in Secondary Schools.** Four hours.
Primarily for students majoring or minoring in health and physical education. Materials and techniques for high school teachers of health; conducting the school health program at the secondary level.

482-G482—**Kinesiology.** Four hours.
Prerequisite: HTH 380.

Analysis of movement based on a knowledge of anatomy and physiology as applied to the function of muscles in body mechanics.

483—**School Health.** Four hours.
Organization and operation of school health program, with emphasis on policies, procedures, problems, cooperating agencies, and field work.

484—**Evaluation in Health and Physical Education.** Four hours.
Administration and interpretation of tests in health, physical fitness, and skills.

485—**Marriage and Family Life.** Four hours.
Physical, emotional, and medical basis for successful courtship, marriage, and parenthood.

PHYSICAL EDUCATION COURSES (PE)

46; 47; 48—**Developmental Skills.** No credit.
For health and physical education majors only.

300—**Varsity-Football.** One hour.

301—**Varsity-Basketball.** One hour.

302—**Varsity-Baseball.** One hour.

303—**Varsity-Track and Field.** One hour.

304—**Varsity-Tennis.** One hour.

305—**Varsity-Golf.** One hour.

312—**Softball for Women.** One hour.

313—**Soccer and Speedball for Women.** One hour.

314—**Officiating and Coaching Team Sports for Women.** Four hours.
Development of personal skills and officiating techniques in team sports.

315—**Stunts and Tumbling for Women.** One hour.

317—**Techniques of Teaching Stunts, Tumbling, and Apparatus.** Two hours.

320—**Women's Basketball.** One hour.

321—**Volleyball.** One hour.

322—**Prevention and Care of Athletic Injuries.** Two hours.

326—**Badminton.** One hour.

328—**Archery.** One hour.

330—**Golf.** One hour.

341—**Square Dancing.** One hour.

342—**Folk, Contra, and Round Dances.** One hour.

349—**Bowling.** One hour.

351—**Modern Dance.** One hour.
Emphasis on beginning techniques and movement fundamentals.

352—**Intermediate Modern Dance.** One hour.
Prerequisite: PE 351 or by permission of instructor.

353—**Advanced Modern Dance.** One hour.
Prerequisite: PE 352 or by permission of instructor.

354—**Composition.** One hour.
Prerequisite: PE 353 or by permission of instructor.

355—**Advanced Composition.** One hour.
Prerequisite: PE 354 or by permission of instructor.

356—**Techniques of Production and Performance in Dance.** One hour.
Prerequisite: PE 355 or by permission of the instructor.

363—**Swimming.** One hour.

365—**Tennis.** One hour.

367—**Gymnastics.** One hour.

371—**Social Dancing.** One hour.

373—**Coaching Football.** Two hours.
Player selection, fundamentals, training, and game strategy.

374—**Coaching Basketball.** Two hours
The growth and popularity of basketball, selection, practice and training of players, offensive and defensive strategy.

375—**Coaching Baseball.** Two hours.
A study of the background and development of baseball, coaching of the fundamentals, player selection and placement, and other coaching problems.

376—**Coaching Track and Field.** Two hours.
Selecting of personnel, fundamentals and training techniques.

378—**History and Principles of Physical Education.** Two hours.

379—**Introduction to Health, Physical Education, and Recreation.** Four hours.
A survey of the areas of health, physical education, and recreation.

380—**Conducting Drill Team.** Two hours.

381—**Markmanship.** One hour.

382—**Ballet I.** One hour.

383—**Ballet II.** One hour.
Prerequisite: Ballet I or by permission of instructor.

384—**Ballet III.** One hour.
Prerequisite: Ballet II or by permission of instructor.

385—**Ballet IV.** One hour.
Prerequisite: Ballet III or by permission of instructor.

386—**Ballet V.** One hour.
Prerequisite: Ballet IV or by permission of instructor.

387—**Ballet VI.** One hour.
Prerequisite: Ballet V or by permission of instructor.

390—**Modern Jazz I.** One hour.
Prerequisite: Ballet or Modern Dance experience.

392—**Acrobatics I.** One hour.

394—**Tap I.** One hour.

397A, 397B, 397C—**Ballet Workshop.** One hour each.

398A, 398B, 398C—**Modern Dance Workshop.** One hour each.

399—**Techniques of Teaching Ballet and Modern Dance.** Four hours.
Prerequisite: All ballet and modern dance courses.

400—**Coaching and Officiating Individual and Dual Sports for Women.** Four hours.

Development of personal skills and officiating techniques in individual and dual sports.

401-G401—**Preventive and Corrective Physical Education.** Four hours.
Recognition of and corrective exercises for functional abnormalities.

402—**Techniques of Officiating Sports for Men.** Four hours.
Personal skills and officiating techniques of varsity sports.

403—**Life Saving and Water Safety.** Two hours.
Prerequisite: Proficiency in swimming.

American Red Cross Senior Life Saving Certificate awarded upon course completion.

404—**Water Safety Instructor's Course.** Two hours.
Prerequisite: Life Saving and Water Safety.
Emphasis on knowledge and skills beyond the scope of Senior Life Saving and certifying personnel to conduct water safety courses in schools and communities.

405, 406, 407—**Sports Laboratory.** (Beginning, Intermediate, and Advanced.) Two hours each.
Experiences in the various phases of intramurals and physical education activity programs.

408-G408—**Techniques of Teaching Rhythms.** Two hours.
Practical experience in group instruction in various areas of dance.

409—**Physical Education in Elementary Schools.** Four hours.
Materials and methods in the elementary grades; both theory and practical experiences in selecting, organizing, and directing activities for the elementary school.

410—**Physical Education for Men in Secondary Schools.** Four hours.
Developing personal skills in individual, dual, and team sports for men.

410W—**Physical Education for Women in Secondary Schools.** Four hours.
Developing personal skills in a variety of sports.

411—**Theory of Teaching Swimming and Diving.** Two hours.
Organization and administration of the community swimming program, including pool operation, maintenance, and sanitation.

412—**Organization and Administration of Health and Physical Education.** Four hours.

The theory and procedure in adopting policies and programs necessary to the development and administration of a sound health and physical education program.

423—**History of Dance.** Two hours.
A survey of dance in various civilizations from prehistoric times to the present.

RECREATION COURSES (REC)

382—**Marksmanship.** Two hours.
Prerequisite: PE 381.
Instructor's course in marksmanship as certified by the National Rifle Association.

420—**History and Principles of Recreation.** Four hours.
The history, principles, and values of recreation. The contributions and responsibilities of the many organizations active in the field are described.

430—**Outdoor Education and Recreation.** Four hours.
Designed to acquaint recreation leaders, teachers, and administrators with the values, programs, opportunities, and relationships of outdoor education and recreation.

433—**Camp Counseling and Administration of Camping.** Two hours.
Development of skills in camp leadership and administration.

440—**Recreational Leadership Theory.** Four hours.
Developing individual competency in leading recreational activities.

445—**Social Recreation Programming.** Two hours.
Planning, programming, and conducting of social recreation activities.

450—**Youth Service Programs.** Four hours.
Administration, organization, and leadership of youth-serving organizations in the community, and the relationship of youth-service programs to the total community recreation activity.

469—**Recreational Skills.** Four hours.
Adapting different craft media for use in recreation programs: making game equipment, stage properties, decorations, hobbies, and other crafts.

470—**Park and Recreation Areas and Facilities.** Four hours.

Presenting to the professional recreation worker the fundamental principles, standards, and techniques in the design, construction, and maintenance of park and recreation areas and facilities.

474—**Community Centers and Playgrounds.** Four hours.

The specific problems and programs unique to recreation centers and playgrounds, emphasizing techniques for administration and operation.

481—**Introduction to Administration of Recreation Service.** Four hours.

A study of official, voluntary, and private organizations for recreation, with special consideration of legal aspects, personnel, facilities, financing, and public relations.

488—**Field Work in Recreation.** Four to twelve hours.

A supervised course designed to give the professional recreation student practical experience in developing skills in various recreation programs.

THERAPY COURSES (THY)

301—**Research I, II, III.** One hour.

Research in the area of rehabilitation theory and its application.

421—**Clinical Experience.** One to six hours. (May be repeated).

Lectures and supervised internship in various rehabilitation theories and their application.

431, 432, 433—**Rehabilitation Theory and Application.** Four hours each.

Lectures, directed clinical work, and research in rehabilitation theory and its application.

441, 442, 443—**Psychology of Rehabilitation.** Four hours each.

The approach to rehabilitation as it involves the individual in the mental and physical phases of readjustment.

453—**Supervision of Therapy and its Application.** Twelve hours.

METHODS COURSE

CIS 451P—Methods and Principles in Health, Physical Education, and Recreation. Four hours.

For grades 1 through 12. Primarily for students majoring or minoring in health, physical education, and recreation. Materials and techniques of teaching health, physical education, and recreation in public schools.

DEPARTMENT OF INDUSTRIAL ARTS (IA)

E. Max Hunter, Chairman

Boyte, Burns, Salinas, Thomas

The student has a choice of three undergraduate majors within the Department; (1) the industrial arts teaching major; (2) the industrial technology major; and (3) the architectural technology major. For graduate work in the Department, consult the **Graduate Bulletin.**

The minor in industrial arts requires twenty-eight (28) hours.

INDUSTRIAL ARTS TEACHING MAJOR

Industrial Arts teachers are required to hold a standard Mississippi Secondary Teacher's Certificate, with an endorsement to teach industrial arts. In addition to the courses required in general education, and the professional training for all secondary school teachers, the industrial arts teacher must have the following courses to meet endorsement requirements.

General Shop	4 hours	Drawing	9 hours
Metal Work	9 hours	Electricity/Electronics	8 hours
Wood Work	9 hours	Principles and Methods	8 hours

The student who completes the courses required for a teaching major

will meet the certification requirements. The student will also complete a minor in secondary education.

The Industrial Arts teaching major must meet the complete core requirements as specified in the College of Education and Psychology under the heading of secondary education.

College Core Requirements

See Core under Secondary Education

Professional Education and Psychology Requirements	Hours
CIF 300, 469	8
EPY 319, 332	8
CIS 451G	4
CIS 313, 481G	16

Departmental Requirements	Hours
IA 121, 122, 321, or 350	9
IA 131, 330, 331	9
IA 340, 341, 342, or 343	9
IA 136	4
IA 301, 302	8
IA 400, 401	10
IA 402	2

Electives to complete a total of 192 hours.

INDUSTRIAL TECHNOLOGY MAJOR

The Industrial Technology major must meet the core requirements for the non-teaching degree in the College of Education and Psychology. The student will minor in industrial management.

College Core Requirements

See Core under Non-Teaching Degree

Major Requirements

	Hours
MAT 101, 103	8
PHY 101, 102	10
CHE 121, 122	8
ECO 301	4
MGT 360, 362, 464, 466, 468	20
MGT Elective	4
IA 121, 122, 321, 350	12
IA 131, 330, 331	9
IA 340, 341, 342, 343	12
IA 301, 302	8
IA 305	3
IA 307	4
IA 315	4

Electives to complete a total of 192 hours.

ARCHITECTURAL TECHNOLOGY

The Architectural Technology major must meet the core requirements, for the non-teaching degree in the College of Education and Psychology. It is recommended that the student minor in art or mathematics.

College Core Requirements

See Core under Non-Teaching Degree

Major Requirements

	Hours
ART 111, 112, 113, 101, 321, 341	24
MAT 101, 103, 171, 276, 277	20
PHY 101, 102, 103	15
IA 375, 376, 377	12
IA 381, 382, 383	12
IA 351, 352, 353, 451, 452, 453	24
IA 454, 455, 456*	12
IA 385	4

Electives to complete a total of 192 hours

*A student, who has completed six courses in architectural design, and who has an average of B or better, may, when approved by the instructor of the design courses, and the department chairman, elect other 300 level and 400 level courses in lieu of IA 454, 455, and 456.

INDUSTRIAL ARTS COURSES (IA)

121—**Engineering Drawing I.** Three hours.

Use of drawing instruments, geometric construction. Conventions used in depicting objects for reproduction. Representation in two and three dimensions. Object drawing. Special practice in lettering. Orthographic projection, dimensioning.

122—**Engineering Drawing II.** Three hours.
Prerequisite: IA 121.
Multiview projection, sectional views, auxiliary views, revolutions, working drawings, pictorial drawings.

131—**Woodwork.** Three hours.
A course designed to develop skill, knowledge and appreciation in the care and use of woodworking tools, materials, processes, and products. Hand and machine tools, tool processes, wood and lumber, joints, gluing, nails and screws, wood turning, and finishing.

136—**General Shop.** Four hours.
A general course in accordance with the modern development of industrial arts and crafts.

300—**Industrial Arts Design.** Three hours.
A basic course in design with special emphasis on industrial arts use. Such topics as texture, form, balance, stability and free-form are included.

301—**Industrial Arts Electricity.** Four hours.
Basic study of direct and alternating current, magnetism, resistance, inductance, capacitance, and resonance. An introduction to generators, motors, transformers, and electrical motors.

302—**Industrial Arts Electronics,** Four hours.
Prerequisite: IA 301
Electron tube and transistor characteristics. Fundamentals of power supplies, amplifiers, oscillators, detectors, and the superheterodyne receiver. Introduction to the oscilloscope and other test equipment. The correct use of hand tools, test equipment, and good soldering practices.

305—**Power Mechanics I.** Three hours
Small engine operation, design and care. Ignition, carburetion, displacement, compression ratios, camshaft and valve design are among the topics considered.

307—**Materials and Processes of Industry.** Four hours.
Manufacture, characteristics, and use of wood products; ferrous and nonferrous metals, their composition, working qualities and uses; abrasives, glass, concrete, and clay products, their manufacture, composition and use; types, grades, and uses of leather and plastics; finishing and upholstery materials; adhesives, fastening devices, and hardware; shaping forming and cutting operations; principles of heat treating, inspection and gauging for quality control.

310—**Bookbinding.** Three hours.
A complete course in hand binding. Included are stripping and collating. sewing, backing and gluing, case making, titling, and finishing.

314—**Leather Craft.** Three hours.
Instruction in tooling, embossing, lacing, and designing selected leather projects.

315—**Plastics.** Three hours.
A study of plastics in common use; general operations in design, shaping and finishing selected projects.

317—**Photography in Industrial Arts.** Three hours.
Evaluation of photography in the industrial arts curriculum. Camera selection, construction, and techniques, exposure factors, film characteristics and selection, developing, printing, enlarging, copying and other basic darkroom procedures. The making of photographic slides for industrial arts, both black and white, and color.

319—**Industrial Arts for Elementary Teachers.** Four hours.
A course for teachers of both lower and upper elementary work. Intended as an aid to the teacher in her preparation to guide the children in all free activities. Not open to industrial arts majors except by special permission.

321—**Engineering Drawing III.** Three hours.
Prerequisite: IA 121 and 122.
Use of instruments, engineering lettering, freehand sketches, pictorial drawings, sectional views, and working drawings from written descriptions as well as from actual objects.

322—**Engineering Drawing IV.** Three hours.
Prerequisite: IA 121, 122, and 321.
Advanced engineering drawing.

325—**Descriptive Geometry.** Five hours.
Prerequisite: IA 121.
A study of the general principles of descriptive geometry and their application to engineering, architecture, and geology.

330—**Wood Finishing.** Three hours.
A general course in wood finishing consisting of finishing materials, techniques, and equipment, applicable to industrial arts projects.

331—**Advanced Woodwork.** Three hours.
Prerequisite: IA 131 and 330
Emphasis on the selection of projects to implement the objectives of an industrial arts program. The importance of individual design and use of machines is stressed.

340—**Welding.** Three hours.
Theory and practice in oxy-acetylene and arc welding. Construction of appropriate projects is required.

341—**Sheet Metal Work.** Three hours.
An introduction to the application of hand and machine processes. Simple pattern drafting. Study of materials. Working cold iron; cutting, forming, seaming, burring, crimping, and fastening, as applied to the making of sheet metal products.

342—**Machine Shop.** Three hours.
Introduction to the procedures in grinding; thread cutting; quick change gears; the drill press and its operation; taper turning; cutting tools; grinding machines; and the assembling of machine parts.

343—**Art Metal Work.** Three hours.
An introduction to the processes involved in the construction, finish, and evaluation of art metal projects and articles: class demonstrations, assigned readings, and special reports.

350—**Architectural Drawing.** Three hours
A beginning course in architectural drawing. Lettering, details, working drawings, and office practice.

351-2-3—**Architectural Design I, II, III.** Four hours each.
Analysis and solution of simple problems in architectural design. Emphasis on domestic and simple public buildings. Attention to construction and finish details through research, discussion, drawing and models. Three quarters of architectural design.

375—**Structures I.** Four hours.
Prerequisites: PHY 101 or 201 and MAT 103.
An elementary technical study of force systems and their action on rigid bodies at rest. Topics considered are center of gravity, moment of inertia of areas. For architectural and engineering students.

376—**Structures II.** Four hours.
Analysis of fundamental structural principles, application of mathematics of structural theory.

377—**Structures III.** Four hours.
Study of statically determined structures including shear and bending moments, torsion, slope and deflection, design of beams, columns, trusses, struts problems dealing with wood, reinforced concrete, steels, and other materials.

381, 382, 383—**Building Construction I, II, III.** Four hours each.

Prerequisite: Permission of the instructor.

Study and examination of materials and methods of construction. Foundations, walls, roofs, stairs, partitions, doors, windows, etc., are studied. Also considered are specifications, contracts, and office practice.

385—**Surveying.** Four hours.

Theory and practice in the use of instruments of surveying, measurement of horizontal and vertical distances, angles, traverse, curvilinear and topographic surveys, triangulation, measurement of latitude, longitude, azimuth, and time.

400—**School Shop Planning and Equipment Selection.** Five hours.

Lay out of rooms and other building facilities. Purchase and arrangement of equipment. Selection of suitable equipment for special conditions. The cost of equipment, supplies, and maintenance.

401—**Shop Care and Management.** Five hours.

A study of machine placement; student movement; arrangement of safety zones; upkeep and repair of tools; tool storage and distribution; storage of materials; assembly areas; and the general appearance of the shop.

402—**History and Philosophy of Industrial Education.** Two hours.

Basic understanding of the underlying foundations and principles, early day leaders, federal acts, types of classes and courses, state plan for vocational education, and the organization and administration of industrial education at the local, state, and national levels.

451-2-3—**Architectural Design IV, V, VI.** Three quarters of architectural design. Four hours each.

Prerequisite: IA 351, 352, 353.

Analysis and solution of architectural problems of greater complexity than the 350 series. Emphasis is on presentation of ideas in design.

454, 455, 456—**Architectural Design VII, VIII, IX.**

Three quarters of architectural design. Four hours each.

Prerequisite: IA 453.

Analysis and solution of problems in architectural design of moderate complexity. Attention is given to site planning, landscape design, etc., through lectures, slides, drawing, and research.

DEPARTMENT OF LIBRARY SCIENCE (LS)

Warren F. Tracy, Chairman

de Grummond, Flynt

A student majoring in library science may elect one of several alternate plans. He may work toward either the Bachelor of Arts, the Bachelor of Science non-teaching, or the Bachelor of Science teaching degree. The student's choice of program should be determined by his plans for the future and in close conjunction with his adviser.

Students wishing to prepare for positions in the public, college and university, and special library fields should major in an academic subject (other than library science) at the undergraduate level, take the twenty (20) quarter hour prerequisite of undergraduate library science courses (see **Graduate Bulletin**), and complete the master's program in library science. Students who are planning

to study librarianship should consult the chairman of the Department of Library Science for advice regarding their curricula.

Curriculum for Bachelor of Science
Degree with a Major in Library Science
(Professional Teaching Program)
Freshman and Sophomore Years

Courses listed in Basic College core and College of Education and Psychology requirements.

Junior and Senior Years

	Hours
LS 301, 302, 303, and 315-316	20
LS 427, 428, 462, and 463	16
CIF 300, CIF 416, CIF 469. CIS 313*, and CIS 481R	28
EPY 319 and 332	8
Fine Arts	4
Electives	27

*Prerequisite: EPY 319
CIS 313 and CIS 481R are taken concurrently

The Bachelor of Science degree with library science as a major may be had in the non-teaching program and may follow the library science requirements for the Bachelor of Arts degree.

Curriculum for Bachelor of Arts
Degree with a Major in Library Science
Freshman and Sophomore Years

Courses listed in Basic College core and College of Education and Psychology requirements.

Junior and Senior Years

	Hours
LS 301, 302, 303	12
LS 427, 428, 462, 463 and 489	21
CIF 416	4
Electives and minor	60

Departmental Requirements

General requirements: The student wishing to major in library science should take thirty-six (36) hours in the Department of Library Science, all of which must be in courses numbered above 300. Required of all majors and counted as a library science course is CIF 416.

No correspondence or extension work is counted toward this credit. For the Bachelor of Science teaching degree twelve (12) hours of directed teaching will be in school library practice, CIS 481R. The Bachelor of Arts and non-teaching Bachelor of Science degrees may include LS 489 instead. CIF 416 will be counted toward the major in library science, provided it is done in residence.

Minor and Electives

In addition to the core requirements, the certification requirements and the departmental requirements, the student must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

The student minoring in library science must take twenty-eight (28) hours in the Department.

Students may qualify for the Class A Certificate by completing at least thirty-six (36) quarter hours of library science. Students may qualify for a permit by completing Library Science 302, 303, 315, and 316.

	Hours
Books and Related Materials for Children and Young People	8
Organization and Administration of Libraries	8
Electives in Library Science	20

Elementary School Librarian

It is recommended that persons interested in entering the elementary school library field follow the curriculum listed below. The State of Mississippi has made provision for separate certification of elementary school librarians. This program meets the requirements for certification of the Office of Teacher Education, Certification, and Placement.

Freshman and Sophomore Years

Basic College Core and College of Education and Psychology Requirements

Junior and Senior Years

	Hours
LS 301, 302, 315, and 316	16
LS 427, 428, 462, and 463, CIF 416	20
CIF 300, CIE 305, CIE 306	12
CIE 309, CIE 317, CIE 343, CIE 480	24
EPY 316	4
Fine Arts	4
Electives	22

LIBRARY SCIENCE COURSES (LS)

301—**Book Selection.** Four hours.
A general study of principles of selection and standards for evaluation of books, periodicals and other library materials; book publishers, series and editions; use of standard book selection aids.

302—**Books and Related Materials for Children.** Four hours.
A study of library materials and their uses for children of preschool age through the elementary grades; emphasis on the examination of both printed and audio-visual materials.

303—**Books and Related Materials for Young People.** Four hours.
A study of the reading needs and interests of adolescents with criteria for selecting books for the school library. Emphasis on a wide study of both books and allied materials.

315—**Organization and Administration of School Libraries.** Four hours.
A study of the technical processes involved in organizing a library, circulation, classification and cataloguing; care of collection; maintenance of library materials, library quarters and equipment; finance; the acquisition of books and non-book materials.

316—**Organization and Administration of School Libraries.** Four hours.
Continuation of LS 315. To be taken concurrently with LS 315.

NOTE: CIF 416 may be counted as library science. For description, see Department Curriculum and Instruction.

427—**School Library Reference Materials.** Four hours.
Required for the 28-hour program and above.
The study and evaluation of basic reference materials for school library use

428—**School Library Reference Materials.** Four hours.
Prerequisite: LS 427. Not required on 28-hour program.
A study of the more specialized reference material, including bibliographic and government materials, lectures, and problems.

462—**Classification and Cataloguing.** Four hours.
Prerequisites: LS 315, 316, and 427.

A study of the fundamental principles and methods of classification and cataloguing suitable for the average school library situation. Dewey Decimal Classification and simplified cataloguing with emphasis on the printed cards and other aids.

463—**Classification and Cataloguing.** Four hours.

Prerequisite: LS 462.

Expansion of the principles and methods of classification and cataloguing with attention given to more advanced problems.

489—**Practice Work.** Five hours

Culmination course of majors in library science; to be taken with B.S. non-teaching degree. Experience in various phases of library work. Approximately 150 hours of laboratory work.

490—**School Library Problems.** One and one-half hours each.

An intensive course through group study in the analysis of special problems in the library field. Full-time work for five days, offered during the summer quarter; to be conducted through the cooperative efforts of the Department of Library Science and the State Department of Education. May be taken three times.

DEPARTMENT OF PSYCHOLOGY (PSY)

Including Educational Psychology (EPY), and Human Relations (HUR)

Ray S. Musgrave, Chairman

Baker, Gough, Grimsley, Hildman, Huckabee, James, Koeppel, Leon, Lowe, Lucy, Mehearg, Rabin, Sisemore, Welker

The Department of Psychology offers a full range of courses in psychology in either of two major sequences: general and pre-professional. It also functions as a service department in teacher-education, offering certain courses required for teacher certification. The Department also offers courses for other schools and departments which require or recommend courses in psychology in their respective curricula. For graduate programs consult the **Graduate Bulletin.**

Requirements for Major

A student majoring in psychology may elect one of several alternative plans. He may work toward either the Bachelor of Science or the Bachelor of Arts degree. In each degree program he may follow either the pre-professional major sequence, or he may elect the general major program. The student's choice of program should be determined by his plans for the future. A major consists of thirty-six (36) hours of psychology, including educational psychology.

General Psychology Major

This major is provided for the student who is interested in psychology and who plans to enter an occupation other than professional psychology. The student who elects this major will not be recommended for professional work in psychology or for graduate professional training. Students aspiring to advanced professional training in psychology should take the pre-professional sequences.

Suggested Minor

It is suggested that students planning to minor in psychology take PSY 201, 302, 450, 466 or 467, 484 and eight additional hours.

Pre-Professional Psychology Major

This major sequence is planned to provide the student with the background and skills essential for graduate professional training in psychology.

A. Curriculum—Basic College and School Requirements

The student working toward either degree must include the appropriate core curriculum requirements for his degree.

Students who contemplate advanced graduate work are reminded that a reading knowledge of two foreign languages is usually required. Study of German or French is recommended as a part of the undergraduate program for pre-professional psychology majors. Bachelor of Arts students will take one of these languages to meet core requirements.

B. Curriculum—Departmental Requirements

1. General and Specific Requirements.

The student wishing to major in psychology, regardless of his degree plan, must take thirty-six (36) hours in the Department of Psychology. Required of all majors are PSY 201, 302, 450, 466 or 467, and 484.

The student taking the pre-professional psychology major should take, in addition to PSY 201, 302, 450, 466 or 467, and 484, as indicated above, PSY 445, 451, 482, and one course from the group 337, 480, or 481.

Courses designated EPY may be used toward a psychology major.

C. Curriculum—Minor and Electives

In addition to the core, school, and departmental requirements, the student must also complete the requirements for a minor, preferably in a related field. Courses not used to fulfill any of these requirements are free electives and may be taken in any department of the University.

PSYCHOLOGY (PSY) AND EDUCATIONAL PSYCHOLOGY (EPY) COURSES

PSY 201—**General Psychology.** Four hours. Every quarter.
Prerequisite: Sophomore standing.
An introduction to the scientific study of human behavior and experience.

PSY 202—**Applied Psychology.** Four hours. Every quarter.
Prerequisite: PSY 201.
Application of psychological methods and principles to occupational fields other than education, including business and industry, law, medicine, the ministry, and others.

PSY 302—**Advanced General Psychology.** Four hours. Fall and Spring.
An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

EPY 316—**Human Growth and Development, Part I: Child.** Four hours. Every quarter.
Prerequisite: PSY 201.
Study of the child through the elementary school years, emphasizing principles and problems of development. Case studies of individual children.

EPY 319—**Educational Psychology.** Four hours. Every quarter.
Prerequisite: PSY 201.
Application of psychological methods, facts, and principles to education.

EPY 332—**Human Growth and Development, Part II: Adolescent.** Four hours. Every quarter.
Prerequisite: PSY 201.
A course dealing with development of the individual through the adolescent years. Case studies of individual adolescents.

PSY 337—**Mental Hygiene.** Four hours. Winter and Summer.
Prerequisite: PSY 201.
Characteristics of the wholesome personality and the building of healthy emotional attitudes; promotion of good mental health and prevention of abnormalities. Emphasis is placed on increased personal efficiency.

PSY 350—**Developmental Psychology.** Four hours.
A study of the course of growth and development throughout the life span, with emphasis on principles of development. Students who take EPY 316 or 332 should not take this course. Fall.

PSY 445-G445—**Social Psychology.** Four hours. Winter and Summer.
Prerequisite: PSY 201.
Psychological factors and influences in group behavior. Study of the individual in group situations, and the influence of the social environment on his behavior and development.

PSY 449-G449—**Industrial Psychology.** Four hours. Fall and Spring.
Prerequisite: PSY 201. (PSY 450 recommended).
Applications of psychological principles and methods to problems of industry, emphasizing employee selection and placement, merit rating, accident reduction, training, and measurement and improvement of employee morale.

PSY 450-G450—**Introduction to Statistics for the Behavioral Sciences.** Four hours. Every quarter.
Computation of measures of central tendency, variability, and correlation. Introduction to concepts of sampling techniques (t tests, chi square, and analysis of variance).

PSY 451-G451—**Psychological Measurement.** Four hours. Winter and Summer.
Prerequisites: PSY 201 and 450.
Theory, problems and techniques of psychological measurement. Group tests of ability, aptitude, interests, and personality are emphasized.

PSY 466-G466—**Experimental Psychology I.** Four hours. Fall and Spring.
Prerequisites: PSY 201 and 450 and permission of the instructor.
Two hours of lecture and two 2-hour laboratory periods per week.
Introduction to psychological laboratory work. Experiments include study of sensory and perceptual processes, emotion and motivation.

PSY 467-G467—**Experimental Psychology II.** Four hours. Winter and Summer.
Prerequisites: PSY 201 and 450 and permission of the instructor.
Two hours of lecture and two 2-hour laboratory periods per week.
Introduction to psychological experimental techniques. Experiments include study of learning, memory, and thinking.

PSY 480-G480—**Psychology of Personality.** Four hours. Winter and Summer.
Prerequisites: PSY 201 and permission of the instructor.
A study of the facts involved in the development of the mature personality, with an analysis of the structure and dynamics of personality; critical review of methods of personality evaluation.

PSY 481-G481—**Abnormal Psychology.** Four hours. Fall and Spring.
Prerequisites: Good background in psychology and permission of the instructor.
Study of the major psychoses, the psychoneuroses, and mental deficiency; field trips and demonstration clinics. Primarily for psychology majors, premedical students, and students planning to enter law, social work, teaching, or the ministry.

PSY 482-G482—**Physiological Psychology.** Four hours. Winter and Summer.
Prerequisite: PSY 201.
Relationships between physiological functions, especially those of the nervous system, and psychological functions, including perception, emotion, motivation and learning. Primarily for psychology majors and premedical students.

PSY 484-G484—**History and Systems of Psychology.** Four hours. Fall and Spring.
Prerequisite: Permission of the instructor.
Review of the history of psychology, and intensive study of current systems of psychology. Primarily for psychology majors as final senior course.

PSY 492—**Special Problems in Psychology.** Two to four hours. As needed.
Prerequisites: Twenty-eight hours in psychology and approval of the department chairman.
Intensive study of a specific topic or problem in contemporary psychology. Preparation of a series of formal papers and reports.

HUMAN RELATIONS (HUR)

Gough

34—**Personal and Social Development (women).** No credit.
A program aimed at self-enhancement of the individual student, with emphases on the development of personal attributes and social competence through practical demonstration and class interaction.

135—**Foundations of Human Relations.** Four hours.
The development of the qualities of human personality from the standpoint of human relations.

DEPARTMENT OF SPECIAL EDUCATION (SPE)

Cotten, Musgrave Norsworthy

The University of Southern Mississippi prepares teachers to teach mentally retarded children at both the elementary and secondary level; trains speech therapists to work with children in the public schools who have speech and hearing defects; and, is developing programs to train teachers of children with learning disabilities, and children with emotional handicaps. Students who wish to become speech therapists should follow the program outlined under the Department of Speech and Hearing Sciences.

Teachers who specialize in teaching the mentally retarded and children with learning disabilities ordinarily major in special education with emphasis on their major area of interest. They will do their student teaching in the area of their major interest. It is possible for students to major in elementary education and take the additional courses specified to obtain an endorsement to teach the mentally retarded and the child with learning disabilities.

Students wishing to major in special education and to prepare to teach mentally retarded children should follow the program outlined below. Students wishing to major in special education and to prepare to teach the child with learning disabilities should follow the course sequence outlined for the freshman and sophomore years. Students wishing to major in special education and to prepare to teach children with emotional problems are reminded that this is a graduate program. All prospective teachers of exceptional children are urged to consult with a member of the Special Education faculty in planning their programs.

Program of Courses for a Major in Special Education and Certification to Teach the Mentally Retarded*

Freshman and Sophomore Years	Quarter Hours
ENG 101, 102, 103	12
ENG 201, and 202 or 433	8
HIS 101, 102	8
PS 101	4
FS 104, 105, Physical Science I and II, and 106, 107, Biological Science I and II	16
MAT 100	4
ART 107	4
ART 308 or ART 392	4
PA 101	4

Men students will be required to take the prescribed military science courses.
*Students interested in teaching the mentally retarded at the secondary level should plan their programs with either Dr. Cotten or Dr. Norsworthy.

Social Studies: Choose two from Geography 103, Economics 200 or 251, or Sociology 103 or 201	8
PSY 201	4
Allied Arts 100	4
HTH 179—Personal Health	4
CIF 300—Public Education in the United States	4
SPE 300—Practicum in Special Education	6
Physical Education Activity Courses—3 quarters	3
Basic College Studies 50 (Non-credit)	0
	97

Elective to make total ninety-six (96) hours for the two years plus PE.

Junior and Senior Years

MED 361, 362—Music for Elementary Teachers	8
CIE 301—Arithmetic for Children	4
CIE 317—Methods and Materials in Children's Literature	4
SCE 432—Science for Elementary Teachers	4
CIE 305—Social Studies in the Elementary Grades	4
CIE 306—Language Arts in the Elementary School	4
CIE 309—Developing Skills in Reading	4
CIE 311—Developmental Reading Skills	4
EPY 319—Educational Psychology	4
EPY 316—Human Growth and Development, Part I—Child	4
SPE 486—Psychology and Education of the Exceptional Child	4
SPE 450—Psychology and Education of the Mentally Retarded	4
SPE 455—Speech and Hearing Problems for the Classroom Teacher or SHS 301—Introduction to Speech Therapy	4
SPE 460—Methods and Materials for Teaching the Mentally Retarded	4
SPE 470—Curriculum Adaptations for Teaching Handicapped Youth	4
SPE 487—Problems in Special Education	4
SPE 475—Parent-Student-Teacher Relations in Special Education	2
SPE 480 or SPE 481—Student Teaching of the Mentally Retarded	12
CIE 343—Methods and Materials in Elementary Education	4
	86

Electives to make total of ninety-six (96) hours for the two years (Suggested: SPE 453, SPE 465, PE 409, CIF 469, PSY 481, CIE 412, MAT 318).

Majors in speech therapy and audiology may minor in special education. The minor will require EPY 316, EPY 319, EPY 332, CIF 300, SPE 451, SPE 486, and SPE 471 with a minimum of twelve (12) hours in SPE 471, **Student Teaching and Clinical Experience in Special Education.**

SPECIAL EDUCATION COURSES (SPE)

300—**Practicum in Special Education.** One to six hours.

This course is designed to give students observation of and actual participation with exceptional children prior to their student teaching experiences. This course is to be taken as soon as possible after entering the College of Education and Psychology. The course is designed to be taken for two hours credit for each of three quarters except in rare or unusual instances. This is a cooperative program involving public, private, and institutional classes. This course can only be taken with permission of the instructor.

450-G450—**Psychology and Education of the Mentally Retarded.** Four hours.

A study of the social, emotional, physical, and intellectual characteristics of the mentally retarded, methods of diagnosis and differentiation; and special class organization.

451—**Methods in Speech and Hearing.** Four hours.

Prerequisites: SHS 301 and speech pathology major.

A course designed to acquaint the speech and hearing major with clinical conditions as found in public schools, including practice with various types of speech and hearing cases, and instruction in working with parents, teachers, and the public in solving speech and hearing problems.

453—**The Psychology and Education of the Perceptually Handicapped.** Four hours.

A study of the social, emotional, physical, and intellectual characteristics of the perceptually handicapped; methods of diagnosis and differentiation; and, special class organization. The relationship of this exceptionality to other learning disabilities will be discussed.

455—G455—**Speech and Hearing Problems for the Classroom Teacher.** Four hours.

A course designed to acquaint the teacher with speech and hearing problems commonly found in the classroom.

460-G460—**Methods and Materials for Teaching the Mentally Retarded.** Four hours.

A study of methods and materials most useful in teaching the mentally handicapped. Emphasizes the use of arts and crafts as instructional media.

465—**Methods and Materials for Teaching the Perceptually Handicapped.** Four hours.

A study of methods and materials most useful in teaching the perceptually handicapped. A variety of media and methods will be emphasized to meet the needs of this exceptionality and also possibly to illustrate appropriate materials for other exceptionalities.

470-G470—**Curriculum Adaptations for Teaching Handicapped Youth.** Four hours.

Examination of the educational needs of mentally, physically, and emotionally handicapped youth of secondary school age and methods of meeting these needs. Emphasizes the principles and procedures of the cooperative Special Education-Vocational Rehabilitation program.

471—**Student Teaching and Clinical Experience in Special Education.** Up to 12 hours.

475—**Parent-Student-Teacher Relations in Special Education.** Two hours.

Skills and techniques of working with parents to enable them to enhance the education of exceptional children.

480—**Student Teaching of the Mentally Retarded—Elementary.** Twelve hours.

481—**Student Teaching of the Mentally Retarded—Secondary.** Twelve hours.

486-G486—**The Psychology and Education of the Exceptional Child.** Four hours.

Considers the psychological and educational needs of children in the atypical groups; physically, visually, or auditorially handicapped; defective speech, mentally retarded, or socially and emotionally maladjusted.

487-G487—**Problems in Special Education.** Four hours.

Organization and administration at both state and local levels of the education of the exceptional child.

489—**Seminar in Special Education Student Teaching.** Eight hours.

In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers. Two years experience as a teacher is required and enrollment will be limited to the summer quarter only. This course will deal with classroom management, programs of instruction, and student role in the educational environment.

490-G490—**Workshop in Special Education.** Four and one-half hours.

Workshops in selected areas of special education.

DEPARTMENT OF SCIENCE EDUCATION (SCE)

Including Fundamentals of Science (FS)

Ashley G. Morgan, Chairman

F. Brown, I. Brown, Dale, Flowers, Sonnier, Swann

The Department of Science Education is operated jointly by the College of Arts and Sciences and the College of Education and Psychology. The facilities are in the College of Arts and Sciences. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

OBJECTIVES

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Elementary Education, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide advisement for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

CURRICULUM AND PROGRAMS

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year in college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Specialization in a particular science, depending upon the area, requires from 35 to 44 quarter hours credit in that area. Upon completion of the undergraduate program, the student would be certified to teach one or more specific sciences and general science. A general outline of the four-year program is given below:

FRESHMAN YEAR

	Hours
English 101, 102, 103	12
Mathematics	12
Chemistry 101, 102, 103	15
American Government, PS 101	4
Allied Arts, AA 100	4
Health 179	4
Basic College Studies 50	(Non-credit) 0

SOPHOMORE YEAR

Biology 101, 102, 103, 104	16
Literature or Advanced Grammar, ENG 201, 202 or 433	8
History 101, 102	8
Geography 203 or 204	4
Physics 101, 102, 103	15

JUNIOR YEAR

Psychology 201	4
Sociology 103	4
Public Address 101	4
Geology 101, 103 or 260	8

Begin prescribed (36 hours) professional education sequence
Additional sciences (Note: biology specialists must complete organic chemistry.)

SENIOR YEAR

Complete education sequence .....(total)	36
CIS 451J (quarter preceding student teaching)	4
CIS 313, 481J	16
Science Education 400-level course in specific science area	4

Complete required science courses and credits needed for graduation.

Biology courses for specialization—101, 102, 103, 104 220, 301, 302, 401 and three electives.

Chemistry courses for specialization—101, 102, 103, 301, 302, 303, 304, 305.

Earth Science courses (being interdisciplinary, courses are utilized from three departments) GLY 101, 103, 201, 203, 260 or 310, 302 or 314; AST 301, 302, 303, GHY 203, 204, 480

Physics courses for specialization—101, 102, 103, 371, 381, and three electives

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be overemphasized that students should consult with their assigned adviser each quarter. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Although a student may minor in general science, it may not be applied to the science teacher training program.

Students in the College of Arts and Sciences should discuss minors in the sciences with their adviser and/or the particular science department chairman. Students in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in all states in the areas of biology, chemistry, physics, earth science, general science, and physical science.

SCIENCE EDUCATION COURSES (SCE)
Including Fundamentals of Science (FS)

Fundamentals of Science: a sequence of two courses in the physical sciences and two in the biological sciences. Each course carries four (4) quarter hours of credit and consists of four one-hour lecture-demonstration sessions per week. A working knowledge of algebra is presupposed. These courses are designed to give students an acquaintance and understanding of certain fundamental principles and laws of the major science disciplines. Credit in these courses will not count toward the degree requirements for a major or minor in the sciences or in secondary school science teaching.

Inasmuch as there is overlapping and duplication in these courses and those offered by various science departments, the student should read carefully the prerequisites and limitations for each of the Fundamentals of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses. Fundamentals of Science courses must be taken in sequence.

FS 104—**Physical Science I.** Four hours.

A student who has credit for two quarters or one semester of physics cannot receive credit for this course.

A study of matter and energy in the universe; their sources, transformation, and interactions; the forces acting within the universe; and the laws governing these phenomena.

FS 105—**Physical Science II.** Four hours.

Prerequiste: FS 104, or one semester or two quarters of physics.

A student who has credit for one semester or two quarters of chemistry and/or physical or historical geology cannot receive credit for this course.

A continuation of FS 104. Primary emphasis is on elementary and compound substances, the arrangement of and forces acting on these substances in the formation of the earth, atmosphere, and the universe.

FS 106—**Biological Science I.** Four hours.

Prerequisite: FS 105 or two quarters of chemistry.

Elementary studies in the general life sciences. Emphasis is upon unifying principles and the development of biological theories. Important ideas are: cell theory and biochemical processes, heredity, evolution, and interdependence.

FS 107—**Biological Science II.** Four hours.

Prerequisite: FS 106.

A continuation and enlargement of ideas presented in FS 106. A student who has credit in Biology 101 and 102 or the equivalent cannot receive credit for FS 106 and 107.

SCE 400-G400—**BSCS Biology for Secondary Teachers.** Four hours.

Prerequisite: Permission of instructor.

This course is for teachers only, and may not be used for credit toward a major in biology.

A detailed critical examination of the subject matter, techniques, and methods for teaching biology in secondary schools as proposed by the Biological Sciences Curriculum Study. Designed to orient teachers in modern biology subject matter and special techniques by presenting background material and special laboratory exercises. Emphasis is placed on the laboratory as the source of information from which sound conclusions can be drawn.

SCE 401-G401—**CHEM Chemistry for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Permission of instructor.

A course designed to familiarize chemistry teachers with the materials, methods, and techniques of teaching chemistry developed by the Chemical Education Materials Study Committee. Unifying principles of chemistry are emphasized, with laboratory work providing the basis of development.

SCE 402-G402—**PSSC Physics for Secondary Teachers—Methods and Techniques.** Four hours.

Two hours lecture and four hours laboratory per week.

Prerequisite: Permission of instructor.

A course designed to familiarize physics teachers with content, methods, materials, and techniques of physics developed by the Physical Science Study Committee and other national physics curriculum development groups.

SCE 403-G403—**ESCP Earth Science Methods and Materials for Teachers.** Four hours.

Six hours lecture-laboratory per week.

Prerequisite: Permission of the instructor.

A course designed to familiarize teachers with content, methods, material, and techniques developed by the Earth Science Curriculum project committee.

SCE 492—**Science for Elementary Teachers.** Four hours.

Prerequisites: FS 104, 105, 106, 107, or 8 quarter hours in physical science and 8 quarter hours in biological science.

Six hours of lecture, audio-visual, and laboratory work per week.

Designed to relate basic scientific principles to the elementary grades, and provide experience in presenting these principles to the elementary school child through the use of a variety of materials, activities, and methods. Required of and designed for elementary education majors only.

SCHOOL OF BUSINESS ADMINISTRATION

Joseph A. Greene, Jr., Dean
H. O. Jackson, Assistant Dean

PURPOSE

The School of Business Administration has as its objective the education of a student through a blend of cultural knowledge, economic literacy, basic business tools, and specialized knowledge to allow him to rise in the business world to the maximum of his innate abilities. Specialized courses in various fields to suit different objectives are superimposed upon a broad coverage of courses in the arts and sciences, mathematics, economics, and general business. Thus, it is believed that the graduate has been given enough specialized training to enable him to start work in one of the functional areas of business, and a broad enough education with the ability to use managerial tools and exercise business judgment to rise to the executive levels.

ORGANIZATION AND OPERATION

For efficient operation the School of Business Administration is organized into the departments of Accounting, Economics, Finance, Management, and Marketing. Each department offers at least one major and a student interested in a particular area should examine any alternative majors or course emphases offered by that department.

Whatever major is chosen the student pursues the same curriculum except for his major course requirements. Upon completion of all requirements he is awarded the degree of Bachelor of Science in Business Administration.

The Department of Economics offers the Bachelor of Arts degree in the College of Arts and Sciences as well as the Bachelor of Science in Business Administration. The curriculum for the Bachelor of Arts degree in economics is found under the section of the catalog devoted to the College of Arts and Sciences.

BUREAU OF BUSINESS RESEARCH

The functions of the Bureau of Business Research are designed to complement the overall program and objectives of the School of Business Administration. Specific functions included are to: provide an administrative framework for research projects; provide a source of support for, and flexibility of approaches to, research by faculty members (including Bureau staff); publish research reports; provide a readily identifiable point of contact for business, industry, and government relative to research and services in the areas of business and economics; provide for the development and execution of service programs; and maintain a framework to assist in the education and training of students.

STUDENT ADMITTANCE AND ADVISEMENT

A student is eligible for admission to the School of Business Administration when he has completed as many as sixty-four (64) quarter hours with a C average. It is imperative that the student will have begun the School requirements in accounting principles, economics principles, and mathematics. A student will not be admitted under any circumstances until he has completed freshman English.

Upon his admission to the School, the student is assigned an adviser within the School by the Office of the Dean. His adviser will be his department chairman or someone designated by the department chairman who will approve his schedule each quarter, provide counsel, and sign his application for degree.

A student who changes his major within the School must come to the Office of the Dean and change his departmental designation and his adviser.

STUDENT ORGANIZATIONS, PLACEMENT, AND ASSISTANCE

The School promotes several professional and honorary societies for students in order to foster fellowship and scholarship among those with similar interests. These organizations are: Alpha Epsilon Alpha, professional fraternity

in accounting; Economics Society, professional fraternity in economics; Delta Sigma Pi, professional fraternity for men in all areas of business; Omicron Delta Epsilon, honorary society in economics; Phi Chi Theta, professional fraternity for women in all areas of business; Pi Sigma Epsilon, professional fraternity in marketing; Rho Epsilon, professional fraternity in real estate; and Society for Advancement of Management, professional fraternity in management.

All these organizations are coordinated under the Business Fraternity Council of the School.

The School cooperates with the University Placement Bureau in assisting its graduates in finding positions. The student is expected to establish a file with the Placement Bureau three quarters before graduation in order to avail himself of all the opportunities.

There are several scholarships available exclusively for students in the School of Business Administration as well as many others for which business students may apply. Any inquiry should be addressed to:

Director of Student Aid and Scholarships
University of Southern Mississippi
Southern Station, Box 101
Hattiesburg, Mississippi 39401

PLAN FOR FRESHMAN AND SOPHOMORE YEARS

The curriculum requirements below are for all students in the School working toward the Bachelor of Science in Business Administration.

The transfer student should conform to the suggested curriculum as far as possible.

CURRICULUM FOR FRESHMEN AND SOPHOMORES

Freshman Year

English 101, 102, 103—Freshman Composition	12
History 101, 102—World Civilization	8
Mathematics 101 or 112—Algebra	4
Allied Arts 100; Philosophy 101 or 210; Public Address 101; Health 179 (Select three)	12
Political Science 101—American Government	4
Geography 103 or Psychology 201 or Sociology 103	4
Military Science and/or Physical Education Activity Courses (Male students must take both)	6
Basic College Studies 50	0
*Electives (See explanation under Electives)	4
	54

*Finance 100, Introduction to Business, is strongly recommended as an elective for those wishing a survey course in business. Business Education 101, Elementary Typewriting, is an excellent elective for the student without high school typewriting.

Sophomore Year

Accounting 201, 202, 203—Principles of Accounting	12
Economics 251, 252—Principles of Economics	8
English 201, 202—Introduction to Literature	8
Finance 290—Concepts of Data Processing	4
Science	12
Military Science (Male students)	3
*Electives (See explanation under "Electives")	4

*Industrial Arts 121 is an excellent elective for the student majoring in Industrial Management.

Business Core

Marketing 300—Principles of Marketing	4
Economics 301 or CSS 200—Elementary Statistics	4
Finance 310—Fundamentals of Business Law	4
Economics 330—Money and Banking	4
Management 360—Principles of Management	4
Finance 375—Business Communication	4
Finance 389—Business Finance	4
	28

Major Requirements

The majors are outlined under the department in which they are located. With the consent of his adviser, a student occasionally may make a substitution for one of his required courses.

Minor Requirements

There is no minor required for the Bachelor of Science in Business Administration.

Electives

A student must take a minimum of 78 hours outside the School of Business Administration in any department he chooses. Courses in mathematics, social studies, psychology, or sociology are strongly recommended. The remainder of his electives may be taken within the School of Business Administration or from any other department within the University.

DEPARTMENT OF ACCOUNTING (ACC)

Frederick D. Kenamond, Acting Chairman

H. Anderson, Carpenter, Cooley, Cummings, Dear, Jackson, Jones, McDuff, Rushing

Those students who plan to major in accounting should take Accounting 201, 202, and 203 in their freshman year and postpone part of their Basic College core. They should continue by taking Accounting 301 and 302 in their sophomore year.

The following courses are recommended for students planning to minor in accounting: Accounting 202, 203, 301, 302, and three advanced accounting courses.

ACCOUNTING

Freshman and Sophomore Curriculum	105
Business Core	28
Economics 302—Elementary Statistics II	4
Accounting courses as listed below	36
Accounting 301—Intermediate Accounting I	4
Accounting 302—Intermediate Accounting II	4
Accounting 409—Auditing I	4
Accounting 320—Cost Accounting	4
Accounting 429—Federal Income Tax I	4
Accounting 401—Advanced Accounting	4
Accounting 405—Current Accounting Theory and Research	4
Accounting Electives	8
Electives	19
	192

ACCOUNTING COURSES (ACC)

201—**Principles of Accounting I.** Four hours.

The meaning and purpose of accounting; accounting statements and the accounting cycle; special journals; notes and interest; bad debts; inventories.

202—**Principles of Accounting II.** Four hours.

Plant assets and depreciation; bank reconciliation and petty cash; voucher system; concepts and principles; payrolls; taxes; partnerships; corporations.

203—**Principles of Accounting III.** Four hours.

Departmental and branch accounting; job order, process, and standard cost accounting; budgeting and internal reports; source and application of funds; statement analysis.

300—**Administrative Applications of Accounting.** Four hours.

Prerequisite: ACC 203.
(For non-accounting majors.)
A study of the uses of accounting data with particular emphasis on internal uses of quantitative data and their significance to management.

301—**Intermediate Accounting I.** Four hours.

Prerequisite: ACC 203.

A resumé of accounting theory and a brief review of accounting statements, followed by an intensive study of inventories, tangible and intangible fixed assets, cash and temporary investments, receivables, and current and contingent liabilities.

302—**Intermediate Accounting II.** Four hours.

Prerequisite: ACC 301.

A study of permanent investments, long-term debt, corporate capital, statements from incomplete data, correction of errors, special problems of income determination, analytical techniques, fund and cash flow statements.

320—**Elementary Cost Accounting.** Four hours.

Prerequisite: ACC 203 or consent of instructor.

The accountant's role in the organization; cost terminology; cost-volume-profit relationships; job order and process cost accounting; standard costs and analysis of variances.

401—**Advanced Accounting.** Four hours.

Prerequisite: ACC 302 or consent of instructor.

Partnership accounting, joint ventures, consignments and installment sales, home office and branch, fund accounting, and annuities.

405-G405—**Current Accounting Theory and Research.** Four hours.

Prerequisites: ACC 409, 320, 429, and 401 or consent of instructor.

The study of current accounting problems, with special emphasis on the published bulletins (pronouncements) of professional accounting organizations. Students will explore specific contemporary controversial topics and write research papers.

409—**Auditing I.** Four hours.

Prerequisites: ACC 301 and 302.

A study of auditing principles, techniques, and procedures, professional ethics and legal responsibility, the audit program, field work, and the audit report.

410-G410—**Auditing II.** Four hours.

Prerequisite: ACC 409.
A study of AICPA audit bulletins, application of statistical sampling techniques to auditing, review of internal control procedures, and case studies in auditing procedures.

420-G420—**Advanced Cost Accounting and Budgeting.** Four hours.

Prerequisite: ACC 320.

A study of the uses and limitations of cost analysis in managerial decision-

making and control. Emphasis will be on relevant costs, capital budgeting, joint and by-product costs, inventory planning and control, and direct costing. Students will be required to read articles in current literature pertaining to cost and managerial accounting.

429—G429—**Federal Income Tax Accounting I.** Four hours.

Prerequisite: ACC 301 or consent of instructor.

An introductory course with emphasis on the computation and reporting of ordinary income, capital gains and losses, exclusions, and deductions applicable principally to individuals.

430-G430—**Federal Income Tax Accounting II.** Four hours.

Prerequisite: ACC 429.

A continuation of ACC 429 with emphasis on research in taxation, accounting methods, special sales, payment of taxes, guides for partnerships, estates, trusts, and corporations, and preparation and filing of required returns.

450-G450—**Accounting Systems.** Four hours.

Prerequisite: ACC 409.

A study of the nature and procedure of systems work with attention given to the design and use of business papers and forms, mechanical equipment and auxiliary devices, punched-card accounting methods, journals, ledgers, internal checks, and applied accounting systems and procedures.

460-G460—**Consolidated Statements and Accounting for Fiduciaries.** Four hours.

Prerequisite: ACC 401 or consent of instructor.

Fiduciary accounting principles and reports, parent and subsidiary accounting including consolidations and mergers, and foreign exchange.

470-G470—**Municipal and Governmental Accounting.** Four hours.

Prerequisite: ACC 203.

A study of the principles and standards of governmental accounting, with emphasis on classification of accounts, fund accounting, statements and reports.

492-G492—**Research in Accounting Problems.** One to four hours.

Prerequisites: Senior standing and approval of instructor.

A seminar course for advanced study in problems in cost accounting, budgeting, auditing, income tax, or governmental accounting.

DEPARTMENT OF ECONOMICS (ECO)

Kenneth R. Grubbs, Chairman

Bonno, Daniels, Greene, Kenny, Lee, McQuiston, Swift, Whitesell, D. C. Williams, Wimberly

The major curricula in economics are intended to prepare students for positions as economists in education, business, and government. The recommended minor in economics constitutes a systematic study of the economic environment in which we live. A few advanced courses have been designed to provide appropriate instruction in economics to students in other major fields; and several comprehensive introductory courses may be taken by those who are interested in economics in a less formal way.

The recommended minor in economics outside the School of Business Administration consists of Economics 251, 252, 301, 302, 310, 330, 340, and 345. CSS 200 substitutes for Economics 301, and students taking that course should take CSS 201 in lieu of Economics 302.

The School of Business Administration does not require a minor field. However, a student in the School may, if he so desires, minor in economics or include an economic emphasis through his choice of electives. Such a student should consult closely with the Department of Economics faculty.

ECONOMICS—BACHELOR OF SCIENCE

	Hours
Freshman and Sophomore Curriculum	105
Business Core	28
Major requirements as listed below	32

	Hours
Economics 302—Elementary Statistics II	4
Economics 310—Economic History of the United States	4
Economics 340—Price Theory	4
Economics 345—Income Theory	4
Economics 470—Comparative Economic Systems	4
Economics (Electives)	12
Electives*	27
	192

*Students considering graduate work in economics should consult frequently with Economics Department advisers, and are urged to take some mathematics courses beyond the minimum core requirements. Competent students may substitute a higher mathematics for core requirement.

ECONOMICS—BACHELOR OF ARTS
FOREIGN TRADE—BACHELOR OF ARTS

The degree of Bachelor of Arts in Economics or Foreign Trade is granted by the College of Arts and Sciences. Curricula are outlined in the College of Arts and Sciences Section of this catalog.

ECONOMIC COURSES (ECO)

200—**Introduction to Economics.** Four hours.

Not to be counted toward major, minor, or meeting the core requirements of the School of Business Administration. Credit for graduation will not be given for both Economics 200 and 251.

An elementary survey of political economy and economic analysis for students taking only one course of economics.

251—**Principles of Economics I.** Four hours.

An introduction to political economy and economic analysis with reference to price determination in markets for both resources and final products under competition and monopoly.

252—**Principles of Economics II.** Four hours.

Prerequisite: Normally preceded by ECO 251.

An introduction to political economy and economic analysis with reference to international trade, economic growth, and the determination of income, employment, and the price level.

301—**Elementary Statistics I.** (Formerly Finance 300)

Prerequisite: MAT 101 or 112.

This course may not be taken for credit by students who have completed CSS 200.

A survey of the basic concepts of statistics; data sources, collection, and presentation; measures of central tendency and dispersion; normal curve analysis; sampling and decision theory; hypothesis testing, and probability.

302—**Elementary Statistics II.** (Formerly Finance 370)

Prerequisite: ECO 301.

A study of index numbers; time series analysis; simple and multiple regression and correlation; forecasting; chi square; poisson and f distributions, and other advanced measures used in statistical analysis.

310—**Economic History of the United States.** Four hours.

A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330—**Money and Banking.** Four hours.
Prerequisites: ECO 251 and 252.
An intermediate study of the nature and functions of money, the banking system of the United States, and monetary theory.

335—**Economics of the Firm.** Four hours.
Prerequisites: ECO 251 and 252.
Not for economic majors. Credit for graduation will not be given for both ECO 335 and ECO 340 or equivalents from some other institution.
An intermediate study of the application of economic theory to managerial decision-making.

340—**Price Theory.** Four hours. Fall Quarter
Prerequisites: ECO 251 and 252.
An intermediate study of the determination of prices in factor and final product markets.

345—**Income Theory.** Four hours. Winter Quarter.
Prerequisites: ECO 251 and 252.
An intermediate study of the determination of income and employment.

365—**Economics of Labor.** Four hours.
Prerequisites: ECO 251 and 252.
A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

400-G400—**Public Finance.** Four hours.
Prerequisites: ECO 251 and 252.
A study of federal and state spending and fund raising policies within the context of the social goals to be accomplished by such policies.

405-G405—**Quantitative Analysis in Economics I.** Four hours.
Prerequisite: ECO 335 or 340 or consent of instructor.
Usually offered in alternate years.
A survey of mathematical concepts particularly suited for their application in economic theory of consumer and theory of the firm.

406-G406—**Quantitative Analysis in Economics II.** Four hours.
Prerequisite: ECO 405.
Usually offered in alternate years.
Design, estimation, and testing of mathematical models in economic theory, with emphasis on microeconomics.

413—**The Economy of Latin America.** Four hours.
Prerequisites: ECO 251 and 252.
A study of the evolution of the institutional arrangements relating to the Latin American economies and their impact on resource use and allocation, economic growth, and related economic problems.

420-G420—**Economics of Public Utilities.** Four hours.
Prerequisites: ECO 251 and 252.
Usually offered in alternate years.
A study of the development, institutional bases, structure, and regulation of public utilities.

430-G430—**Economics of Urban Areas.** Four hours.
Prerequisites: ECO 251 and 252.
Usually offered in alternate years.
A study of the economic problems of urban areas, with special reference to the problem of urban land utilization and the spending and fund-raising problems of municipal government.

435-G435—**International Trade Theory.** Four hours.

Prerequisites: ECO 340 and 345.

A study of the historical development of international trade theory, the importance of international trade, the mechanism of international payments, and modern theories dealing with the subject.

436-G436—**International Economic Relations.** Four hours.

Prerequisite: ECO 435.

A study of the problems and policies arising out of international economic relations and practices.

440-G440—**Economic Growth.** Four hours.

Prerequisites: ECO 251 and 252.

A study of the nature, causes, and effects of regional and national economic development.

445—**Business Cycles.** Four hours.

Prerequisites: ECO 251 and 252. Winter Quarter.

A study of the nature, causes, and effects of business cycles, and of policies to promote economic stability.

460-G460—**Fiscal Theory.** Four hours.

Prerequisite: ECO 345.

Usually offered in alternate years.

A study of the theoretical bases for governmental fiscal operations.

470-G470—**Comparative Economic Systems.** Four hours.

A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, communism, and capitalism.

482—**Contemporary Economic Problems I.** Two hours.

Prerequisites: ECO 251 and 252.

Usually offered in alternate years.

A study of the economic problems of monopoly, international trade, and income distribution.

484—**Contemporary Economic Problems II.** Two hours.

Prerequisites: ECO 251 and 252.

Usually offered in alternate years.

A study of the economic problems of the business cycle, inflation, growth, and the size and influence of the public economy.

DEPARTMENT OF FINANCE (FIN)

Louis K. Brandt, Chairman

Aby, Baine, Bounds, Cameron, Clements, Jordan, Nace, West

This Department offers major fields of study in three areas: Finance, General Business, and Real Estate and Insurance. The policy of the Department is to stress education in the selection and handling of tools for problem-solving, analysis, and decision-making in each of the three areas of study. An approach of this kind is premised on the belief that the best qualification for administering business in the three areas is a mind disciplined to identify and analyze administrative issues and to make decisions for action at all levels of management.

The offerings in the Finance Department qualify the student for entering administrative training programs of financial and non-financial businesses like banks, finance companies, brokerage and investment companies, commercial, industrial, and public utility enterprises. Offerings in General Business necessarily cut across several segments of the business curriculum in-

cluding accounting, finance, management, and marketing, thus opening the door to a somewhat wider range of job opportunities. Offerings in Real Estate and Insurance are by contrast, more specialized, being designed essentially for the person interested in selling, risk management and property and agency management. The student is encouraged to seek part-time employment in the area of his major during his last two years of schooling, to blend practical experience with classroom work.

The student who wishes to further his education may work for the Master's degree in finance. This will strengthen his qualifications for higher-level administrative positions in business, and also opens new doors to teaching, research, and graduate work at the doctoral level.

The Department has a recommended minor for non-business majors which requires Economics 251 and 252, Finance 415, and four electives in one or more of the three areas: finance, general business, and real estate and insurance.

Major—Finance

Freshman and Sophomore Curriculum		105
Business Core		28
Major requirements as listed below		32
Economics 302—Elementary Statistics II	4	
Finance 325—General Insurance	4	
Finance 350—Banking Administration	4	
Finance 452—Investment Finance	4	
Finance 462—Security Analysis & Portfolio Planning	4	
Finance 472—International Business Finance	4	
Finance 480—Financial Management	4	
Elective in Department of Finance	4	
Electives (See explanation under "Electives")		27
		192

Major—General Business

Freshman and Sophomore Curriculum		105
Business Core		28
Major requirements as listed below		32
Accounting 300—Administrative Accounting	4	
Economics 335—Economics of the Firm	4	
Finance 325—General Insurance	4	
Finance 415—Government and Business	4	
Finance 480—Financial Management	4	
Management 454—Human Relations	4	
Marketing 480—Marketing Management	4	
Elective in Department of Finance	4	
Electives (See explanation under "Electives")		27
		192

Major—Real Estate and Insurance

Freshman and Sophomore Curriculum		105
Business Core		28
Major requirements as listed below		32
Finance 325—General Insurance	4	
Finance 330—Real Estate	4	
Finance 425—Life Insurance	4	
Finance 430—Real Estate Law	4	
Finance 432—Real Estate Finance	4	
Finance 445—Fire and Casualty Insurance	4	
Electives in Department of Finance	8	
Electives (See explanation under "Electives")		27
		192

FINANCE COURSES (FIN)

100—**Introduction to Business.** Four hours.

This course may not be taken for credit by juniors and seniors following programs in the School of Business Administration.

An introductory course to practically all phases of the business and economic world.

290—**Concepts of Business Data Processing.** Four hours.

To acquaint the student with the various types of data processing equipment and to give a concept of the steps involved in processing business data.

310—**Fundamentals of Business Law.** Four hours.

An exposure to the background and present status of substantive and procedural law, the law of contracts, sales and agency.

311—**Advanced Business Law.** Four hours.

Prerequisite: FIN 310.

An elective course with a more specific treatment of the subject matter as applied to business. Especially suitable for the accounting, finance, and insurance majors.

320—**Personal Finance.** Four hours.

A study of the financial problems that people encounter in planning and managing their own individual affairs. Emphasis is given to budgeting, borrowing, savings and investments, life insurance, social security and annuities, home ownership, taxes, estate planning, and wills and trusts.

325—**General Insurance.** Four hours.

A beginning course in insurance designed to explain the fundamental principles of risk and risk bearing and to introduce the insurance mechanism as a device for reducing risk and sharing losses.

330—**Real Estate.** Four hours.

An introduction to the field of real estate covering the principles of valuation, appraisal, financing and marketing of real estate.

350—**Bank Administration.** Four hours.

Prerequisite: ECO 330.

A comprehensive survey of practical bank administration, covering such topics as bank practices and problems, loans and discounts, investments, fiduciary and other services, and the money market.

361—**The Organization and Operation of a Small Business.** Four hours.

Prerequisites: Principles of Accounting and Economics.

A course designed to give the student a knowledge of sound business principles to be applied to the problems of organizing and operating a small business.

375—**Business Communication.** Four hours.

Prerequisite: Completion of the Business Core.

Effective principles and practices of written communication and graphic presentation, and their functional translations in terms of audience evaluation. The basic approach is problem-solving involving human relations messages, and decision-making reports.

389—**Business Finance.** Four hours.

Prerequisites: ACC 203 and ECO 252.

Deals with internal and external financial management issues. Emphasis is placed on basic tools and methods of analysis for decision-making by financial managers.

415-G415—**Government and Business.** Four hours.

A study of the place of government in the business world, with emphasis on types of controls, regulation of public service corporations and financial institutions, laws to enforce competition, and government aids to business.

425—**Life Insurance.** Four hours.

A comprehensive treatment of life insurance, with the use of materials paralleling those approved by the American College of Life Underwriters.

430—**Real Estate Law.** Four hours.

Designed to give the student a general background in real estate law covering such major points as land and its elements, easements, titles, deeds, recording, brokers and managers, contracts of sales, insurance, and landlord and tenant, with emphasis on case and problem solutions.

432—**Real Estate Finance.** Four hours.

Prerequisite: FIN 330.

Functions of real estate finances; the loan contract; the mortgage market; elements of mortgage risk; loan policy and administration of loans; and analysis of current mortgage market conditions.

440—**Transportation.** Four hours.

Prerequisites: Principles of Economics and Principles of Marketing, and junior standing.

The principles, practices, and problems of transportation that prevail in the United States.

445—**Fire and Casualty Insurance.** Four hours.

Prerequisite: A previous course in insurance.

An analysis of the fire policy, consequential loss contracts, ocean and inland marine risks, automobile underwriting, business liability protection.

452—**Investment Finance.** Four hours.

Prerequisite: FIN 389.

Introduction to stock and bond analysis and evaluation for investment decisions. Also an introduction to market operations and portfolio analysis.

462-G462—**Security Analysis and Portfolio Planning.** Four hours.

Prerequisite: FIN 389.

To develop proficiency in the use of investment management tools for security evaluation, and to increase decision-making skill in planning portfolio needs of individuals and business enterprises.

472-G472—**International Business Finance.** Four hours.

Prerequisite: FIN 389.

Concerned with the short- and long-run financial operations and specific cash and capital management problems of our increasing number of multinational businesses seeking to operate profitably abroad.

480-G480—**Financial Management.** Four hours.

High-level analysis of internal and external financial decision-making issues. A systematic treatment, mainly by the case method, of major current and long-term financial management problems.

492—**Independent Study.** Four hours.

Special research assignment designed to meet the needs of the particular student; satisfactory completion of the work is to be evidenced by a written scholarly report acceptable to the supervising faculty member.

DEPARTMENT OF MANAGEMENT (MGT)

Martin Stegenga, Chairman

Bracey, J. Davis, Etzold, Gottleber, Hill, Sweat

The program of study in management has two major objectives: (1) to give the student a broad perspective of the organization and operation of the modern business enterprise, with particular reference to its relationship to the economy as a whole, and (2) to prepare the student, by specialized training, to begin employment which may lead to positions of managerial responsibility.

Students interested in the management field have the option of electing to major in either industrial management or personnel management. The industrial management option places emphasis on production activities, motion and time study, wage incentive methods, and the nature and characteristics of specific industries. The personnel management option emphasizes the study of collective bargaining, labor law and legislation, the administration of wage systems, and the administration of personnel with special reference to the human relations aspects of the business enterprise.

Careers in management are available in industry, government, and teaching. Beginning employment opportunities for which the management graduate is trained include such sample jobs as: job analyst, foreman, production scheduler and dispatcher, time study man, employment interviewer, assistant training supervisor, and junior management trainees. The student's broad education and training will, when coupled with additional maturity and experience, serve to further his career in more responsible management positions, such as production or plant manager, labor relations director, and personnel manager.

The recommended minor in management for a non-business major is Economics 251 and 252, Management 360, and four courses in the Management Department.

Major—Personnel Management

Freshman and Sophomore Curriculum		105
Business Core		28
Major requirements as listed below		32
Management 364—Personnel Management	4	
Management 370—Labor Law and Legislation	4	
Economics 365—Economics of Labor	4	
Management 454—Human Relations	4	
Management 456—Industrial Training	2	
Management 468—Wage and Salary Administration	4	
Management 472—Collective Bargaining	4	
Management 474—Supervisory Management	2	
Management 484—Problems in Personnel Administration	4	
Electives (See explanation under "Electives")		27

Major—Industrial Management

Freshman and Sophomore Curriculum		105
Business Core		28
Major requirements as listed below		32
Accounting 300—Administrative Accounting	4	
Management 362—Introduction to Industrial Management	4	
Economics 302—Elementary Statistics II	4	
Management 464—Motion and Time Study	4	
Management 466—Production and Quality Control	4	
Management 468—Wage and Salary Administration	4	
Management 476—Managerial Systems Analysis	4	
Management 482—Production Problems Seminar	4	
Electives (See explanation under "Electives")		27

MANAGEMENT COURSES (MGT)

360—**Principles of Management.** Four hours.
Basic management concepts and principles applied to the functions of planning, organization, and control in business enterprise.

362—**Introduction to Industrial Management.** Four hours.
Prerequisite: MGT 360.
The basic principles and policies in the management of an industrial plant, covering such topics as plant location and layout, purchasing, materials handling, maintenance, and production control systems.

364—**Personnel Management.** Four hours.
Prerequisite: MGT 360.
A course covering the tools of personnel management, with principal emphasis on the major task of procuring, developing, maintaining, and using an effective work force.

370—**Labor Law and Legislation.** Four hours.
Prerequisite: MGT 360 or FIN 310.
A study of the development of legislation and of court decisions pertaining to labor relations. Special emphasis is given to the importance of legal principles involved in managerial decisions.

386—**Industrial Safety.** Two hours.
Prerequisite: MGT 362 or MGT 364.
A study of the nature, causes, and costs of industrial accidents and occupational diseases. An analysis of safety problems and procedures in establishing industrial safety programs

454—**Human Relations.** Four hours.
A study of individual and group interaction and behavior in the business and industrial environment with emphasis on interpersonal and intergroup motivations and conflicts.

456—**Industrial Training.** Two hours.
Prerequisite: MGT 364.
A study of the methods, procedures, and psychology in planning and organizing effective in-service training programs for employees and management.

464—**Motion and Time Study.** Four hours.
Prerequisites: MGT 362 and ECO 301 or CSS 200.
A general course in the fundamentals of operation analysis, motion economy, micromotion techniques, time study, job standards, and fatigue and industrial efficiency.

466—**Production and Quality Control.** Four hours.
Prerequisites: MGT 362 and ECO 301 or CSS 200.
An evaluation of some of the problems of management as they relate to the production and quality of output, with emphasis upon statistical methods and other management techniques to achieve acceptable quality in production at minimum cost.

468-G468—**Wage and Salary Administration.** Four hours.
Prerequisite: MGT 362 or MGT 364.
A study of wage and salary structures; preparation and use of job analyses, descriptions, and specifications; job evaluation, incentive systems, and individual wage determination; and wage surveys, fringe benefits, and merit rating systems.

472-G472—**Collective Bargaining.** Four hours.
Prerequisite: MGT 370.
A study of the practices, techniques, procedures, methods, and legal and administrative requirements of collective bargaining, with a consideration of the points of view of the worker, the union, the employer, and the general public.

474—**Supervisory Management.** Two hours.

Prerequisite: MGT 360 or MGT 364.

A study of the responsibilities of the line supervisor; development of techniques and skills in job training, maintenance of morale, motivation, handling grievances, interviewing, and counseling through case studies, role playing, and conference procedures.

476—**Managerial Systems Analysis.** Four hours.

Prerequisites: MGT 464 and MGT 466.

An analysis of management systems and procedures techniques for improving managerial controls and reducing operating costs; includes a study of work measurement, forms control, Monte Carlo and queuing theories, and an introduction to electronic data processing concepts and business applications.

482-G482—**Production Problems Seminar.** Four hours.

Prerequisites: Management majors only or consent of adviser.

Special study of selected current problems in manufacturing production. A case approach to such problems as plant and warehouse location, selection and maintenance of equipment, product mix and quality, purchasing, and production controls.

484-G484—**Problems in Personnel Administration.** Four hours.

Prerequisites: Management majors only or consent of adviser.

An application through case analysis of the principles and techniques in personnel administration. A problems and case approach to develop proficiency in applying principles and developing decision-making ability.

DEPARTMENT OF MARKETING (MKT)

Richard C. Vreeland, Chairman

Boone, Bullard, Stevens

There are three basic functions performed by any business organization: marketing, production, and finance. The goal of the Department of Marketing is to train students to fill competently positions as managers of the marketing function. It is necessary, therefore, that the student not only learn the subject of marketing but that he also master certain executive skills, of which ability to think is usually considered the most important. Other attributes of significance are the ability to: (1) solve problems; (2) communicate orally and in writing; (3) understand and work with people.

The context of marketing courses provides the student with a basic knowledge of marketing principles and techniques. The method used in teaching the material enables the student to develop the skills necessary to utilize this knowledge after graduation.

For a student not majoring in the School of Business Administration, a minor in marketing can be earned by completing twenty-eight (28) hours of courses in the following recommended sequence:

1. Economics 200, and Marketing 300
2. Marketing 330. 332, and 355 (select any two)
3. Marketing 400, 432, or 375 (select one)
4. Any two marketing electives

Students majoring in marketing are required to take a specialized program in either market management, sales and sales management, advertising, or retail management. In each of these programs a marketing core of three courses is essential and should be completed in the following recommended sequence during the senior year:

1. Marketing 370—Marketing Problems
2. Marketing 410—Marketing Research
3. Marketing 480—Marketing Management

The courses needed to complete an area of specialization are listed below.

Market Management

	Hours
Freshman and Sophomore Curriculum	105
Business Core	28
Economics 302—Elementary Statistics II	4
Major requirements as listed below	32
Management 454—Human Relations	4
Accounting 300—Managerial Accounting	4
Marketing Core	12
Marketing Electives	12
Electives (See explanation under "Electives")	23

Sales and Sales Management

	Hours
Freshman and Sophomore Curriculum	105
Business Core	28
Economics 302—Elementary Statistics II	4
Major requirements as listed below	32
Marketing 330—Salesmanship	4
Marketing 400—Sales Management	4
Marketing Core	12
Marketing Electives	12
Electives (See explanation under "Electives")	23

Advertising

	Hours
Freshman and Sophomore Curriculum	105
Business Core	28
Economics 302—Elementary Statistics II	4
Major requirements as listed below	32
Marketing 355—Principles of Advertising	4
Marketing 375—Advanced Advertising	4
Marketing 475—Promotion Development	4
Marketing Core	12
Marketing Electives	8
Electives (See explanation under "Electives")	23

Retail Management

	Hours
Freshman and Sophomore Curriculum	105
Business Core	28
Economics 302—Elementary Statistics II	4
Major requirements as listed below	32
Marketing 332—Principles of Retailing	4
Marketing 435—Advanced Retailing	4
Marketing Core	12
Marketing Electives	12
Electives (See explanation under "Electives")	23

MARKETING COURSES (MKT)

300—**Principles of Marketing.** Four hours.

A survey course designed to give a general understanding of marketing in present day society, the channels involved in the distribution of goods, the functions performed by the institutions and agencies in marketing.

330—**Salesmanship.** Four hours.

A study of the principles of persuasion as applied to the art of salesmanship.

332—**Principles of Retailing.** Four hours.

A survey course comprising an analysis of the factors underlying the successful operation of retail stores including location, stock arrangement, buying and selling, advertising and display, merchandise, planning and control, personnel management, and customer relations.

355—**Principles of Advertising.** Four hours.

A study of methods used to disseminate among groups information concerning goods and services, the sales promotional aspects of such dissemination, and the evaluation techniques available.

360—**Credit and Collection.** Four hours.

A study of the nature of credit in its relation to the distribution of goods, the management activities involved, and collection procedures available.

370—**Marketing Problems.** Four hours.

An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology as applied to marketing.

375—**Advanced Advertising.** Four hours.

Prerequisite: MKT 355.

A study of principles and techniques of advertising presentation adaptable to mass communication media and direct advertising.

380—**Industrial Marketing.** Four hours.

Prerequisite: MKT 300.

A study of the special problems involved in marketing materials, equipment, and supplies to manufacturers, other business firms, and institutions that use the goods in further production; determination of methods and policies appropriate to the goods and the marketing situations.

400—**Sales Management.** Four hours.

Prerequisite: MKT 330.

A study of the principles involved in the selection, training, and management of salesmen. Also considered is the application of these principles in order to make the selling function more efficient.

410-G410—**Marketing Research.** Four hours.

Prerequisite: ECO 302.

A study of principles and techniques used in marketing research to solve factual and qualitative marketing problems.

432-G432—**Advanced Retailing.** Four hours.

Prerequisite: MKT 332.

A study of the various operations performed in a retail store. The modified case method of instruction is used.

475-G475—**Promotion Development.** Four hours.

Prerequisite: MKT 355 or consent of instructor.

A study of the relationship of the business organization to the various interest groups which affect its promotional results, and the policies and procedures utilized in connection with such groups.

480-G480—**Marketing Management.** Four hours.

Prerequisite: Open only to majors or minors in marketing during their senior year.

A comprehensive course designed to synthesize the more specialized marketing knowledge of the student. The interrelation of all marketing activities in reaching the firm's objectives is emphasized through the study of case histories.

SCHOOL OF FINE ARTS

Raymond Mannoni, Dean
Gomer J. Pound, Assistant Dean

PURPOSE

The primary purpose of the School of Fine Arts is to provide its students with a well-rounded preparation for professional or teaching careers in one of the many branches of art, music, or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the School of Fine Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, and designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The School of Fine Arts is organized into four departments: Art, Music, Music Education, and Theatre. Baccalaureate degrees are awarded in Fine Arts, Art, Music, and Music Education, with appropriate majors. Undergraduate minors are available in art history, music, and theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the school. This course fulfills the University's core requirements for Fine Arts.

Since curricular requirements vary for each major, students aiming at degrees from the School of Fine Arts should follow the course sequences for each year outlined in detail under each department in the following pages.

Students majoring in elementary education who wish to emphasize fine arts may do so by electing the following courses:

AA 100	THE 103
MED 361	ART 107
MED 362	ART 120
MED 463	ART 309

ALLIED ARTS (AA)

Ira Schwartz, Coordinator

AA 100—**Introduction to the Arts.** Four hours.

An introduction to the Fine Arts through a study of the principles which unite them. Subject, medium, and function of architecture, painting, sculpture, music, and the theatre arts are emphasized.

DEPARTMENT OF ART (ART)

Walter Lok, Chairman

Ambrose, Duke, Felty, Harwood, Merrifield, Pearson, Poirier, Ward

Curricula leading to the degree of Bachelor of Fine Arts are offered in drawing and painting, commercial art, three dimensional design, and toward teacher certification. The National Teacher Examinations are required of all candidates for teacher certification. A major is available in art leading to the degree of Bachelor of Arts. A minor program is also available in the history of art.

All transfer students are required to submit a portfolio of representative work prior to registration in order to receive advanced standing.

Exhibitions on tour and students' exhibitions are arranged and presented by the faculty, student committees and members of the local chapter of Kappa Pi, national honorary art fraternity.

The Department reserves the right to retain student work for exhibition purposes.

The FRESHMAN year is a common course of study for all major programs in art.

English 101, 102, 103	4	4	4
Art 120; Theoretical Introduction	4		
History 101, 102		4	4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Art 101, 102, 103; Drawing I, II, III	4	4	4
Art 111, 112, 113; Design I, II, III	4	4	4
	18	18	18

The remaining three years are detailed below for each undergraduate major.

DRAWING AND PAINTING MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

English 201, 202	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives		4	4
Military Science 201, 202, 203 (male students)	1	1	1
Art 315, 325, 335; History	4	4	4
Art 201, 202, 203; Figure Drawing	4	4	4
	17	17	17

Junior

Science	4	4	4
Core Electives from two of the following areas:			
Health 179, Philosophy 101 or 201, Public Address 101	4	4	
Art 321; Watercolor			4
Foreign Language	4	4	4
Art 331; Oil Painting		4	
Art Electives	4		4
	16	16	16

Senior

Art 322, 423; Watercolor	4		4
Art Elective		4	
Art 332, 433; Oil Painting	4	4	
Art 470; Painting Project			4
Electives	8	8	8
	16	16	16

COMMERCIAL ART MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

English 201, 202	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives		4	4
Military Science 201, 202, 203 (male students)	1	1	1
Art 315, 325, 335; History	4	4	4
Art 201, 202; Figure Drawing	4	4	
Art 321; Watercolor			4
	17	17	17

Junior

Science	4	4	4
Core Electives from two of the following:			
Health 179, Philosophy 101 or 201, Public Address 101	4	4	
Art Elective			4
Art 341, 342, 343; Commercial	4	4	4
Foreign Language	4	4	4
	16	16	16

Senior

Art 441, 442, 443; Advertising	4	4	4
Art Elective	4	4	
Art 480; Advertising Project			4
Electives	8	8	8
	16	16	16

THREE DIMENSIONAL DESIGN MAJOR

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

English 201, 202	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives		4	4
Military Science 201, 202, 203, (male students)	1	1	1
Art 315, 325, 335; History	4	4	4
Art 201, 202; Figure Drawing	4	4	
Art 321; Watercolor			4
	17	17	17

Junior

Science	4	4	4
Core Electives from two of the following:			
Health 179, Philosophy 101 or 201, Public Address 101	4	4	
Art 355, 356, 457; Ceramics	4	4	4
Art Elective			4
Foreign Language	4	4	4
	16	16	16

Senior

Art 351, 352, 453; Sculpture	4	4	4
Art Elective	4	4	
Art 493, Three Dimensional Design Project			4
Electives	8	8	8
	16	16	16

TEACHER CERTIFICATION CURRICULUM

(Leading to the degree of Bachelor of Fine Arts)

Sophomore

English 201, 202 or 433	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives			4
Psychology 201		4	
Military Science 201, 202, 203 (male students)	1	1	1
Physical Science 104			4
Art 315, 325, 335; History	4	4	4
Art 355; Ceramics I	4		
Art 356; Ceramics II		4	
	17	17	17

Junior

Physical Science 105	4		
Biological Science 106, 107		4	4
Public Address 101		4	
Health 179			4
Educational Psychology 319	4		
Foundations in Education 300			4
Art 309; Elementary School Art	4		
Art 310; Public School Art		4	
451B; Methods in Art			4
Art 351; Sculpture I	4		
Art 352; Sculpture II		4	
	16	16	16

Senior

Test & Measurements—FED 469	4		
Human Growth & Development—EPY 342 II		4	
Student Teaching—SED 481 B			12
Principles of Teaching in High School—SED 313			4
Art Elective		8	
Crafts—ART 412	4		
Art Education Project—ART 492	2	2	
Commercial Art—ART 342	4		
Watercolor—ART 321	4		
Oil—ART 331		4	
	18	18	16

ART MAJOR

(Leading to the degree of Bachelor of Arts)

Sophomore

English 201, 202	4	4	
Mathematics			4
Political Science 101	4		
Social Science Core Electives		4	4
Military Science 201, 202, 203 (male students)	1	1	1
Art 315, 325, 335; History	4	4	4
*Art Sequence I	4	4	4
	17	17	17

Junior

Science	4	4	4
Core Electives from two of the following:			
Health 179, Philosophy 101 or 201, Public Address 101	4	4	
**Minor or Elective			4
Foreign Language	4	4	4
*Art Sequence II	4	4	4
	16	16	16

Senior

Foreign Language	4	4	
**Minor and Electives	12	12	12
	16	16	16

*Twelve (12) hours of art from a single area constitutes a sequence.
**Minor hours must total twenty-eight (28) from an approved subject field.

ART COURSES (ART)

101—**Drawing I.** Four hours.

A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking.

102—**Drawing II.** Four hours.

Prerequisite: ART 101 or permission of instructor.

A continuation of ART 101.

103—**Drawing III.** Four hours.
Prerequisite: ART 102 or permission of instructor.
A continuation of ART 102.

107—**Introductory Art.** Four hours.
For non-art majors.
Fundamentals of lettering, drawing, perspective, light and shade, color theory, design, and display techniques.

111—**Design I.** Four hours.
A study of the elements of plastic structure and some principles of ordering them toward expression.

112—**Design II.** Four hours.
Prerequisite: ART 111 or permission of the instructor.
A continuation of ART 111.

113—**Design III.** Four hours.
Prerequisite: ART 112 or permission of the instructor.
A continuation of ART 112.

120—**Theoretical Introduction.** Four hours.
A study of the scope and nature of the plastic expressions with some bases for criticism.

201—**Figure Drawing.** Four hours.
Prerequisite: Permission of the instructor.
Study of the construction and use of the human figure in design. Drawing from the model in various media.

202—**Figure Drawing.** Four hours.
A continuation of 201.

203—**Figure Drawing.** Four hours.
A continuation of 202.

261—**Graphic Arts.** Four hours.
Prerequisites: ART 103 and 113 or equivalent or permission of the instructor.

A study of design for, and techniques of, the various graphic arts (etching, drypoint, lithograph). Studio problems in some of the above techniques.

305—**Directed Museum and Gallery Tour.** Two hours.
An elective addendum to ART 20. Field trip and tour of a number of gallaries and museums for the viewing of original works.

309—**Elementary School Art.** Four hours.
Prerequisite: ART 107 (elementary education majors). ART 101 and ART 111 (art education majors).
An application of art techniques to the elementary classroom situation through the study of growth patterns, motivation, guidance, and evaluation of class projects.

310—**Public School Art.** Four hours.
Prerequisite: ART 309.

An application of art techniques to the secondary classroom situation through the study of growth patterns, unit plans, motivation, guidance, and evaluation of class projects.

315—**History of Art.** Four hours.
Pre-historic to medieval. A survey course.

321—**Watercolor Painting.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.

322—**Watercolor Painting.** Four hours.
Prerequisite: ART 321.
Continuation of ART 321 with problems in opaque media.

325—**History of Art.** Four hours.
Medieval to eighteenth century. A survey course.

331—**Oil Painting.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.

Studies in the techniques of oil painting. Color, composition, and surface quality stressed.

332—**Oil Painting.** Four hours.
Prerequisite: ART 331.

Further study in oil techniques. Greater emphasis on subject matter or content.

335—**History of Art.** Four hours.
Eighteenth century through modern. A survey course.

341—**Commercial Art.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.

Recommended for those interested in any form of commercial art. The rendering of objects and materials for commercial presentation.

342—**Commercial Art.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.
Hand and precision lettering, and advertising and show card layout.

343—**Commercial Art.** Four hours.
Prerequisites: ART 341, 342, or permission of the instructor.

A study of commercial illustrative techniques and their application to a variety of layout problems.

351—**Sculpture.** Four hours.
Problems in three-dimensional design. Study of forming, assemblage, and casting techniques.

352—**Sculpture.** Four hours.
Prerequisite: ART 351.
A continuation of ART 351, with emphasis in modeling, direct carving, and metal sculpture.

355—**Ceramics I.** Four hours.
Prerequisites: ART 103 and 113 or permission of the instructor.
The use of ceramic materials as a means of expression. Experiences in hand forming, application of glazes, and firing.

356—**Ceramics II.** Four hours.
Prerequisite: ART 355.
A continuation of ART 355. Experiences in wheel forming, slip casting, and glazemaking.

362—**Graphic Arts.** Four hours.
Prerequisite: ART 261.
Further problems in design and production using various graphic media.

370—**Illustration.** Four hours.
Prerequisites: ART 201 and 103 or permission of instructor.
Practical problems in the illustration of poems and short stories. Black and white and color studies involving the relation of medium and technique to subject.

392—**Special Projects for Elementary Teachers I & II.** Two hours each.
Prerequisite: ART 107.
Projects in art and methods of presentation to children in the grades. Need not be taken in sequence.

410—**Ancient Art.** Four hours.
Prerequisite: ART 315.
The artistic achievements of the ancient world. A careful analysis of important examples correlated with their background.

412-G412—**Crafts.** Four hours.
Prerequisite: ART 113.
A study of the crafts: dealing with jewelry, enameling, batik, and similar techniques.

420—**Medieval Art.** Four hours.
Prerequisite: ART 325.
A study of the art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century, including Early Christian and Byzantine sources.

423—**Watercolor Painting.** Four hours.
Advanced study in opaque and transparent watercolor. Experiments with mixed media.

430—**Renaissance Art.** Four hours.
Prerequisite: ART 325.
The art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century.

433—**Oil Painting.** Four hours.
Further study in oils based on experiments in ART 331 and 332 with special emphasis on techniques and specialized subject matter fields.

440—**Baroque and Rococo Art.** Four hours.
Prerequisites: ART 325 and 335.
The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

441—**Advertising Design.** Four hours.
Prerequisite: ART 343 or permission of the instructor.
Practical problems in advertising design, with particular attention to modern reproduction methods and preparation of suitable copy.

442—**Advertising Design.** Four hours.
Prerequisite: ART 441.
A continuation of ART 441 including a study of color separation techniques and typographic experiments.

443—**Advertising Design.** Four hours.
Prerequisite: ART 442.
A continuation of ART 442, with particular emphasis on professional procedure.

450—**Nineteenth Century Art.** Four hours.
Prerequisite: ART 335.
An analysis of Neo-Classicism, Romanticism, Realism, and Impressionism.

453—**Sculpture.** Four hours.
Prerequisite: ART 352.
Individual instruction in advanced sculptural techniques.

457—**Ceramics III.** Four hours.
Prerequisite: ART 356.
A continuation of ART 356. An application of ceramic techniques to a variety of expressive forms. Further experiments with clay bodies, firing, and glazing.

460—**Twentietn Century Art.** Four hours.
Prerequisite: ART 335.
An analysis of Fauvism, Cubism, Futurism, Surrealism, and Expressionism.

463—**Graphic Arts.** Four hours.
A continuation of ART 362.

470—**Painting Project.** Four hours.
Prerequisites: ART 433, 423, or permission of instructor.
Full quarter series or unit project in painting involving considerable research. Seminar.

480—**Advertising Project.** Four hours.
Prerequisite: ART 443 or permission of instructor.
Full quarter series or unit project in advertising design and presentation involving considerable research. Seminar.

492-G492—**Art Education Project.** Two-four hours.
Prerequisite: ART 309.
A research project of considerable scope and depth in the area of specialized art techniques as applied to the classroom situation. Should be repeated to a total of four hours credit by all art education majors.

493—**Three Dimensional Design Project.** Four hours.
Prerequisites: ART 453, 457.
Full quarter series or unit project in three dimensional expression involving considerable research. Seminar.

MUSIC AND MUSIC EDUCATION

The University of Southern Mississippi is a fully accredited member of the National Association of Schools of Music. Requirements for entrance and for graduation are in accordance with the published regulations of this Association.

Entrance examinations in music theory are given all freshman music students. Transfer students are given validation examinations in theory and in their applied areas.

Students desiring to major in music can elect piano, organ, voice, violin, viola, violincello, string bass, flute, oboe, clarinet, bassoon, French horn, saxophone, baritone, trumpet, trombone, tuba, music history and literature, theory-composition, church music, or vocal or instrumental music education as a major. Any student of the University not registered for a music degree may pursue such courses in music as he wishes if he pays the required fees.

Music majors who have taken music courses under private instruction or in such way as not to receive credit may be excused from required courses in the music curriculum on the basis of tests of proficiency.

Every music major is required to participate in the same major organization for 12 quarters, with the exception of music education majors, who will be excused the quarter of their internship. Departmental approval must be received if the student wishes to change organization. In addition, the student will be allowed to participate in one other ensemble. Permission for participation in more than two ensembles must be granted by the Dean of the School. Music majors may enroll for credit in organizations if their loads permit. Every music major is also required to attend weekly recital class each quarter.

The student who wishes to take a B.A. or B.S. degree and minor in music may do so by taking the following distribution of courses:

Music Theory 101, 102, 103	12 hours
Survey of Music literature 131, 132, 133	6 hours
Conducting 331, 332, 333	3 hours
Piano	6 hours
Voice	3 hours
Instrument Electives	3 hours
Music Electives	9 hours
Total	42 hours

DEPARTMENT OF MUSIC (MUS)

David Foltz, Chairman

Andersen, Benner, Donohue, Fillingane, Fitch, A. Gower, Hays, Hill, Huck, Imbragulio, Mannoni, Nowakowski, Parker, Presser, Shaw, Stocker, Ware

APPLIED MUSIC CURRICULA

These curricula provide instruction designed to prepare a student for a career as a professional musician or private teacher. Careful attention is given

to the development of technique, interpretation, and musicianship. A broad knowledge of literature and musical styles is emphasized.

Candidates for the degree of Bachelor of Music in applied music must present recitals selected from composers of the classic, romantic, and modern schools of composition in their senior year.

WIND MAJOR

(Leading to the degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Piano 101-1, 102-1, 103-1	1	1	1
Major Wind Instrument	2	2	2
Band or Orchestra 181B, 182B, 183B, or 181A, 182A, 183A	0	0	0
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Science	4	4	4
Mathematics 100 or 101			4
Military Science 201, 202, 203 (male students)	1	1	1
Piano 201-1, 202-1, 203-1	1	1	1
Major Wind Instrument	2	2	2
Band or Orchestra 281B, 282B, 283B, or 281A, 282A, 283A	0	0	0
	18	18	18

Junior

Harmonic and Formal Analysis 301, 302, 303	2	2	2
Counterpoint, 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Major Wind Instruments	3	3	3
Recital 315			0
Italian, French, or German	4	4	4
Band or Orchestra 381B, 382B, 383B, or 381A, 382A, 383A	0	0	0
	16	16	13

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
Wind Pedagogy 451E, 452E, 453E	2	2	2
Instrumental Literature 441D, 442D, 443D	2	2	2
Major Instrument	3	3	3
Recital 415			1
String Class 455	2		
Woodwind Class 457		2	
Brass Class 459			2
Electives	2	2	4
Band or Orchestra 481B, 482B, 483B, or 481A, 482A, 483A	0	0	0
	15	15	15

PIANO MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Piano 101, 102, 103	2	2	2
Orch., Band, or Chorus 181 A, B, or C; 182 A, B, or C; 183 A, B, or C	0	0	0
	18	18	18

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Science	4	4	4
Mathematics 100 or 101			4
Military Science 201, 202, 203 (male students)	1	1	1
Piano 201, 202, 203	2	2	2
Orch., Band, or Chorus 281 A, B, or C; 282 A, B, or C; 283 A, B, or C	0	0	0
	17	17	17

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Piano 301-3, 302-3, 303-3	3	3	3
Recital 315			0
Italian, French, or German	4	4	4
Orch., Band, or Chorus 381 A, B, or C; 382 A, B, or C; 383 A, B, or C	0	0	0
	16	16	13

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
Piano Pedagogy 451B, 452B, 453B	2	2	2
Piano Literature 441B, 442B, 443B	2	2	2
Piano 401, 402, 403	3	3	3
Recital 415			1
Electives	6	6	6
	17	17	15

ORGAN MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Basic College Studies 50	0		

Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Piano 101-1, 102-1, 103-1	1	1	1
Organ 111-2, 112-2, 113-2	2	2	2
Orch., Band, or Chorus 181 A, B, or C; 182 A, B, or C; 183 A, B, or C	0	0	0
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Science	4	4	4
Mathematics 100 or 101			4
Military Science 201, 202, 203 (male students)	1	1	1
Piano 201-1, 202-1, 203-1	1	1	1
Organ 211-2, 212-2, 213-2	2	2	2
Orch., Band, or Chorus 281 A, B, or C; 282 A, B, or C; 283 A, B, or C	0	0	0
	18	18	18

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Organ 311-3, 312-3, 313-3	3	3	3
Recital			0
Italian, French, or German	4	4	4
Orch., Band, or Chorus 381 A, B, or C; 382 A, B, or C; 383 A, B, or C	0	0	0
	16	16	13

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
Organ Pedagogy 451C, 452C, 453C	2	2	2
Organ Literature 441C, 442C, 443C	2	2	2
Organ 411-3, 412-3, 413-3	3	3	3
Recital 415			1
Electives	2	2	4
Gregorian Chant 461	2		
Hymnology 462		2	
Administration of Church Music 463			2
Orch., Band, or Chorus 481 A, B, or C; 482 A, B, or C; 483 A, B, or C	0	0	0
	15	15	15

STRING MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory, 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Piano 101-1, 102-1, 103-1	1	1	1

Major Instrument 121-2, 122-2, 123-2	2	2	2
Orchestra or Band 181A, 182A, 183A, or 181B, 182B, 183B	0	0	0
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Social Science Core Electives	4	4	
Science	4	4	4
Mathematics 100 or 101			4
Military Science 201, 202, 203 (male students)	1	1	1
Piano 201-1, 202-1, 203-1	1	1	1
Major String Instrument 221-2, 222-2, 223-2	2	2	2
Orchestra or Band 281A, 282A, 283A, or 281B, 282B, 283B	0	0	0
	18	18	18

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Ensemble 371, 372, 373	1	1	1
Conducting 331, 332, 333	1	1	1
Voice Class 301, 302	3	3	
Major String Instrument 321-3, 322-3, 323-3	3	3	3
Recital 315			0
Italian, French, or German	4	4	4
Orchestra or Band 381A, 382A, 383A, or 381B, 382B, 383B	0	0	0
	16	16	13

Senior

Orchestration 401, 402	3	3	
Adv. Ensemble 471, 472, 473	1	1	1
String Pedagogy 451D, 452D, 453D	2	2	2
Instrumental Literature 441D, 442D, 443D	2	2	2
Major String Instrument 421-3, 422-3, 423-3	3	3	3
Recital 415			1
String Class 455	2		
Woodwind Class 457		2	
Brass Class 459			2
Electives	2	2	4
Orchestra or Band 481A, 482A, 483A, or 481B, 482B, 483B	0	0	0
	15	15	15

VOICE MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Mathematics 100 or 101			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Piano 101-1, 102-1, 103-1	1	1	1
Voice 161-2, 162-2, 163-2	2	2	2
Chorus 181C, 182C, 183C	0	0	0
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2

Theatre Production I, II, 201, 202	4	4	
Science	4	4	4
Psychology 201			4
Military Science 201, 202, 203 (male students)	1	1	1
Piano 201-1, 202-1, 203-1	1	1	1
Voice 261-2, 262-2, 263-2	2	2	2
Chorus 281C, 282C, 283C	0	0	0
	18	18	18

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Opera Workshop 341, 342, 343	2	2	2
Conducting 331, 332, 333	1	1	1
Italian, French, or German	4	4	4
Voice 361-3, 362-3, 363-3	3	3	3
Diction 201, 202, 203	1	1	1
Recital 315			0
Electives	2	2	2
Chorus 381C, 382C, 383C	0	0	0
	17	17	17

Senior

Orchestration 401, 402	3	3	
Opera Workshop 441, 442, 443	2	2	2
Voice Pedagogy 451A, 452A, 453A	2	2	2
Voice Literature 441A, 442A, 443A	2	2	2
Political Science 101			4
Social Studies electives	4	4	
Voice 461-3, 462-3, 463-3	3	3	3
Recital 415			1
Chorus 481C, 482C, 483C	0	0	0
	16	16	14

The Curriculum in Church Music

The curriculum in church music, with either voice or organ as a major, is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full time profession. Special emphasis is placed on literature to be used in the church services. A recital must be presented on the major instrument during the senior year to be a candidate for the degree of Bachelor of Music with church music as the major. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

CHURCH MUSIC MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Applied Music (organ or voice)	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Chorus 181C, 182C, 183C	0	0	0
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Applied Music (organ or voice)	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Social Science Core Electives	4	4	
Science	4	4	4
Mathematics 100 or 101			4
Military Science 201, 202, 203 (male students)	1	1	1
Chorus 281C, 282C, 283C	0	0	0
	18	18	18

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Major Applied Music (organ or voice)	3	3	3
Minor Applied Music (voice or organ)	1	1	1
Conducting 331, 332, 333	1	1	1
History of Church Music 351, 352, 353	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Pre-Christian History—REL 312	4		
New Testament—REL 326		4	
Elective			4
Chorus 381C, 382C, 383C	0	0	0
	17	17	17

Senior

Composition 311, 312, 313	2	2	2
Advanced Choral Conducting	2		
Major Applied Music (organ or voice)	3	3	3
Minor Applied Music (voice or organ)	1	1	1
Liturgies 460	2		
Conducting from the Console 458	2		
Gregorian Chant 461		2	
Church Music and Materials 459		2	
Hymnology 462			2
Administration of Church Music 463			2
Italian, French, or German	4	4	4
Recital 415			1
Chorus 481C, 482C, 483C	0	0	0
	16	14	15

The Curriculum in Music History and Literature

The curriculum in music history and literature is planned for those who intend to teach on the college level or for those who desire careers in musical journalism, music publishing, or the recording industry—fields in which a wide and comprehensive knowledge of music history and literature is essential.

The major in music literature will receive a strong foundation not only in his chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

MUSIC HISTORY AND LITERATURE MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Piano 101-1, 102-1, 103-1	1	1	1
Applied Music Electives	2	2	2

English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Orch., Band, or Chorus 181A, B, or C; 182A, B, or C; 183A, B, or C	0	0	0
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Applied Music Electives	2	2	2
Science	4	4	4
Italian, French, or German	4	4	4
Military Science 201, 202, 203 (male students)	1	1	1
Orch., Band, or Chorus 281A, B, or C; 282A, B, or C; 283A, B, or C	0	0	0
	18	18	18

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 323	2	2	2
Baroque Music 435	4		
Eighteenth Century Music 436		4	
Nineteenth Century Music 437			4
Conducting 331, 332, 333	1	1	1
Applied Music Elective	2	2	2
History of Church Music 351, 352, 353	2	2	2
Social Science Core Electives	4	4	
Political Science 101			4
Orch., Band, or Chorus 381A, B, or C; 382A, B, or C; 383A, B, or C	0	0	0
	17	17	17

Senior

Music Literature Electives 441, 442, 443	4	4	4
Orchestration 401, 402	3	3	
History of Opera 431	4		
American Music 432		4	
Twentieth Century Music 433			4
Applied Music Electives	2	2	2
Electives	4	4	4
Orch., Band, or Chorus 481A, B, or C; 482A, B, or C; 483A, B, or C	0	0	0
	17	17	14

The Curriculum in Theory-Composition

This course is designed to prepare the student for teaching theory and composition, writing and arranging music of serious intent, and arranging and writing music of a commercial nature. Various steps in the preparation of music from the preliminary sketch to the published composition are included. The student will become familiar with the Musicwriter, Vari-Typer, diazo-printing, offset-printing, copyright law, and the sale, distribution and promotion of published music.

THEORY—COMPOSITION MAJOR

(Leading to degree of Bachelor of Music)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2

Piano 101-1, 102-1, 103-1	1	1	1
Applied Music Electives	2	2	2
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Orch., Band, or Chorus 181A, B, or C; 182A, B, or C; 183A, B, or C...	0	0	0
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Piano 201-1, 202-1, 203-1	1	1	1
Applied Music Electives	2	2	2
Social Science Core Electives	4	4	
Science	4	4	4
Mathematics 100 or 101			4
Military Science 201, 202, 203 (male students)	1	1	1
Orch., Band, or Chorus 281A, B, or C; 282A, B, or C; 283A, B, or C...	0	0	0
	18	18	18

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Counterpoint 321, 322, 333	2	2	2
Composition 311, 312, 313	2	2	2
Orchestration 401, 402	3	3	
Conducting 331, 332, 333	1	1	1
Voice 161-2, 162-2, 163-2	2	2	2
Applied Music Electives	1	1	1
Italian, French, or German	4	4	4
Orch., Band, or Chorus 381A, B, or C; 382A, B, or C; 383A, B, or C...	0	0	0
	17	17	14

Senior

Advanced Counterpoint 421, 422, 423	2	2	2
Advanced Composition 411, 412, 413	2	2	2
Advanced Orchestration 405, 406, 407	2	2	2
Strings Class 455	2		
Woodwinds Class 457		2	
Brass Class 459			2
Percussion Class Methods 429			2
Applied Music Electives	2	2	2
Electives	4	4	
Music Literature Electives	2	2	2
Orch., Band, or Chorus 481A, B, or C; 482A, B, or C; 483A, B, or C...	0	0	0
	16	16	14

MUSIC COURSES (MUS)

101-102-103—**Music Theory.** Four hours each.

Prerequisite: A knowledge of music notation.

Scales, intervals, and part-writing, using triads, the dominant seventh chord, non-harmonic tones and modulation. Correlated keyboard harmony and dictation. Sight-singing in bass and treble clefs.

131-132-133—**Survey of Music Literature.** Two hours each.

An introductory course dealing with the major areas of music history style periods.

165—**The Enjoyment of Music.** Four hours.

Study of the basic elements of music necessary for intelligent listening

and appreciation; survey of the history of music in its social and cultural context.

This course may not be applied toward a Bachelor of Music, Bachelor of Music Education, or a music minor. Music minors are to take MUS 131-32-33 in lieu of this course.

201-202-203—**Advanced Music Theory.** Four hours each.
Prerequisites: MUS 101, 102, 103.
Part-writing, including secondary seventh chords, borrowed chords, altered chords, and foreign modulation. Correlated keyboard harmony, dictation, and sight-singing.

231-232-233—**History of Music.** Two hours each.
Prerequisites: MUS 131, 132, 133 and MUS 101, 102, 103.

Music in Greece and Rome; rise and development of liturgy; the Polyphonic Age; rise of opera, oratorio and concerto; the periods of Bach and Handel, Haydn and Mozart; Beethoven; the Romantic era; rise of contemporary styles; American musical developments.

301-302-303—**Harmonic and Formal Analysis.** Two hours.
Prerequisites: MUS 201, 202, 203.
Music of various periods is analyzed formally, harmonically, and contrapuntally.

311-312-313—**Composition.** Two hours.
Prerequisites: MUS 301, 302, 303 and MUS 321, 322, 323.
Composition in the smaller forms. Contemporary and stylistic techniques. Steps in the preparation of music for publication are included.

321-322-323—**Counterpoint.** Two hours each.
Prerequisites: MUS 201, 202, 203.
Two, three, and four-voice contrapuntal writing in the style of Palestrina and/or Bach.

351-352-353—**History of Church Music.** Two hours.
History of Christian Church music, with emphasis on the use of literature; history of organ music with emphasis on its use in the church service; and history of choral music with emphasis on its use in the church service.

401-402—**Orchestration.** Three hours each.
Prerequisites: MUS 201, 202, 203.
A study of the instruments of the band and orchestra. Scoring for instrumental and vocal combinations.

405-406-407—G405, G406, G407—**Advanced Orchestration.** Two hours each.
Prerequisites: MUS 401, 402.

411-412-413—G411, G412, G413—**Advanced Composition.** Two hours each.
Prerequisites: MUS 311, 312, 313.
Writing in larger forms for various choral and instrumental combinations.

421-422-423—G421, G422, G423—**Advanced Counterpoint.** Two hours each.
Prerequisites: MUS 321, 322, 323.
Eighteenth century canons and fugal writing. Sixteenth century writing in madrigal style.

431-G431—**History of Opera.** Four hours.
The history of the musical theatre from Greek drama to the present. Open

to non-music majors with consent of instructor.

432-G432—**American Music.** Four hours.

A study of the development of music in North America with particular emphasis in three areas: (1) European heritage; (2) jazz; (3) composers of the twentieth century whose idioms evidence strong roots in American culture. Open to non-music majors with consent of instructor.

433-G433—**20th Century Music.** Four hours.

Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

435-G435—**Baroque Music.** Four hours.

The development of musical styles and forms from Monteverdi through J. S. Bach.

436-G436—**18th Century Music.** Four hours.

The development of classical styles and forms, with particular emphasis on **style gallant,** the Mannheim school, **Empfindsamer Stil,** and the Viennese classicists.

437-G437—**19th Century Music.** Four hours.

The development of musical romanticism, with emphasis on the transformation and expansion of classical forms and the appearance of new formal and stylistic concepts.

441A-442A-443A—G441A, G442A, G443A—**Vocal Literature.** Two hours each.

Required of all senior voice majors.

441B-442B-443B—G441B, G442B, G443B—**Piano Literature.** Two hours each.

Required of all senior piano majors.

441C-442C-443C—G441C, G442C, G443C—**Organ Literature.** Two hours each.

Required of all senior organ majors.

441D-442D-443D—G441D, G442D, G443D—**Instrumental Literature.** Two hours each.

Required of all senior instrumental majors.

441E-442E-443E—G441E, G442E, G443E—**Choral Literature.** Two hours each.

A survey of accompanied and unaccompanied choral music from Gregorian chant to the present. Open to non-music majors with consent of instructor.

441F-442F-443F—G441F, G442F, G443F—**Symphonic Literature.** Two hours each.

The history and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

441H-442H-443H—G441H, G442H, G443H—**Chamber Music.** Two hours each.

A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

458—**Conducting from the Console.** Two hours.

A study of techniques required to conduct rehearsals and performances while seated at the organ console.

459—**Church Music and Materials.** Two hours.
A concentrated course in music literature and resources for church use.

460-G460—**Liturgies.** Two hours.
Liturgy in worship; the Jewish and Roman Catholic liturgies and their music; liturgies of the Reformation period; music of the Lutheran, Calvinist, and Anglican churches; music of the non-liturgical churches.

461-G461—**Gregorian Chant.** Two hours.
This course is designed to acquaint the student with the history and development of Gregorian Chant. Practical experience in conducting Gregorian Chant is offered also.

462-G462—**Hymnology.** Two hours.
The history of the Christian hymn from its root to present-day forms.

463-G463—**Administration of Church Music.** Two hours.
Practical aspects of church music are presented in this course, such as: building a church library, organizing and directing the various choirs of the church, the volunteer choir system, directing from the console, etc.

DEPARTMENT OF MUSIC EDUCATION (MED)

William Gower, Chairman

Donovan, Carnovale, Drake, Guilbeau, Hong, Jerome, Lebsack, McCollum, Madsen, Miller, Munsell, K. Neumann, Pound, Saetre, Smythe, Young, Zahrt

The courses in music education are designed to give thorough and practical training in music pedagogy, as well as the preparation in practical and theoretical music, psychology, education, and cultural subjects necessary for a music specialist of broad background. The National Teacher Examinations are required of all candidates for Music Education degrees. The following curricula are planned to meet the demands of modern music education.

MUSIC EDUCATION MAJOR

Keyboard or Voice Major

General Supervisor

(Leading to degree of Bachelor of Music Education)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Applied Music (piano* or voice)	2	2	2
Minor Applied Music (piano or voice)	1	1	1
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Basic College Studies 50	0		
Physical Education	1	1	1
Chorus 181C, 182C, 183C	0	0	0
Military Science 101, 102, 103 (male students)	1	1	1
	19	19	19

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Applied Music (piano* or voice)	2	2	2
Minor Applied Music (piano or voice)	1	1	1
English Literature 201	4		
Mathematics 100 or 101		4	
Psychology 201			4
Physical Science I, FS 104	4		
Physical Science II, FS 105		4	
Biological Science I, FS 106			4

Military Science 201, 202, 203 (male students)	1	1	1
Chorus 281C, 282C, 283C	0	0	0
	18	18	18

*A student who wishes to use organ as his major instrument will take one hour of piano and one hour of organ each quarter.

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Major Applied Music (piano or organ, or voice)	2	2	2
Minor Applied Music (piano or voice)	2	2	2
Conducting 331, 332, 333	1	1	1
Biological Science II, FS 107	4		
Social Studies Core Elective		4	
Health 179			4
Education Psychology 319	4		
Psychology of Human Growth & Development—EPY 332 or 316		4	
Brass Methods 459			2
Opera Workshop 343			2
Chorus 381C, 382C, 383C	0	0	0
	17	17	17

Senior

Orchestration 401, 402	3	3	
Senior High School Music Methods 421	2		
Senior H.S. Choral Methods & Literature 422A		2	
Curriculum Problems in Music Education 423A		2	
String Class 455	2		
Woodwinds Class 457		2	
Opera Workshop 441	2		
Major Applied Music (piano or organ, or voice)	3	3	
Minor Applied Music (piano or voice)	1	1	
Advanced Choral Conducting 431A		2	
Public Address 101	4		
Principles of Teaching in High School—CIS 313			4
Student Teaching—CIS 481S			12
Chorus 481C, 482C, 483C	0	0	0
	17	15	16

MUSIC EDUCATION MAJOR

Instrumental Supervisor

(Leading to degree of Bachelor of Music Education)

Freshman

Music Theory 101, 102, 103	4	4	4
Survey of Music Literature 131, 132, 133	2	2	2
Major Instrument	1	1	1
*Piano 101-1, 102-1, 103-1	1	1	1
English 101, 102, 103	4	4	4
History 101, 102	4	4	
Political Science 101			4
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
Band or Orchestra 181B, 182B, 183B, or 181A, 182A, 183A	0	0	0
	18	18	18

Sophomore

Music Theory 201, 202, 203	4	4	4
History of Music 231, 232, 233	2	2	2
Major Instrument	1	1	1
*Piano 201-1, 202-1, 203-1	1	1	1
English Literature 201	4		
Mathematics 100 or 101		4	
Psyschology 201			4
Physical Science I, FS 104	4		
Physical Science II, FS 105		4	
Biological Science I, FS 106			4
Military Science 201, 202, 203 (male students)	1	1	1
Band or Orchestra 281B, 282B, 283B, or 281A, 282A, 283A	0	0	0
	17	17	17

*A pianist who elects the instrumental supervision curriculum must substitute six hours in private study of appropriate instruments.

Junior

Harmonic & Formal Analysis 301, 302, 303	2	2	2
Elementary Music Methods 311	2		
Intermediate Music Methods 312		2	
Junior High School Methods 313			2
Woodwind Methods 327	2		
String Methods 325		2	
Advanced String Methods 425			2
Percussion Methods 429			2
Brass Methods 329			2
Conducting 331, 332, 333	1	1	1
Major Instrument	2	2	2
**Minor Instrument	1	1	1
Biological Science II, FS 107	4		
Social Studies Core Elective		4	
Health 179			4
Educational Psychology 319	4		
Human Growth & Development—EPY 332		4	
Band or Orchestra 381B, 382B, 383B, or 381A, 382A, 383A	0	0	0
	18	18	18

Senior

Orchestration 401, 402	3	3	
Senior High Methods 421	2		
Senior High Instrumental Methods 422B		2	
Organization & Administration of School Orch. & Bands 423B		2	
Advanced Wind Methods 427		2	
Voice Class 301, 302	3	3	
Major Instrument	3	3	
**Minor Instrument	1	1	
Advanced Instrumental Conducting 431B		2	
Public Address 101	4		
Principles of Teaching in High School—CIS 313			4
Student Teaching—CIS 481S			12
Band or Orchestra 481B, 482B, 483B, or 481A, 482A, 483A	0	0	0
	18	18	16

**An instrumental education major is required to study two minor instruments. One is to be a stringed instrument, the other a wind instrument selected from the family (woodwinds or brass) other than that of his major instrument. Percussion majors will select a stringed instrument and either a brass or woodwind.

MUSIC EDUCATION COURSES (MED)

201-202-203—**Diction.** One hour each.
Prerequisite: Freshman Voice.
The correct use and pronunciation of English, French, Italian, and German as applied to vocal literature.

301-302—**Voice Class.** Three hours each.
A course designed to give a general knowledge of the principles of good singing. Primarily for instrumental and piano majors, but open to non-music majors with consent of instructor.

311—**Elementary Music Methods.** Two hours. Fall.
This course covers those areas essential to the music specialist who will teach in the elementary grades—including rhythmic, listening, singing, and instrumental activities—with emphasis on primary grades one, two, and three.

312—**Intermediate Music Methods.** Two hours. Winter.
A continuation of MED 311, stressing intermediate grades four, five, and six.

313—**Junior High School Methods.** Two hours. Spring.
Materials and methods appropriate for seventh, eighth, and ninth grades; continuation of part-singing; the adolescent voice; choral and instrumental activities; general music classes; materials suitable for junior high school students.

325—**Strings Methods.** Two hours.
Practical class instruction on violin, viola, violoncello, and string bass; correct playing position for each instrument; problems of beginning string students; materials for public school classes.

327—**Woodwinds Methods.** Two hours.
Practical class instruction on clarinet, flute, oboe, bassoon, and saxophone; basic embouchure and fingering problems; adjusting reeds; materials appropriate for use in public schools.

329—**Brass Methods.** Two hours. Spring.
Class instruction of a practical nature on trumpet, French horn, baritone, trombone, and tuba; problems of beginning brass students; examination of materials suitable for public use.

331-332-333—**Conducting.** One hour each.
Prerequisite: MUS 201, 202, 203.
Techniques of choral and instrumental conducting.

341-342-343—**Opera Workshop.** Two hours each.
An introduction to opera as a performing art. Acting and interpretative techniques for singers; participation in musical productions. Required of all junior voice majors. Open to any University student by permission of instructor.

361—**Music for Elementary Teachers I.** Four hours.
A laboratory course, designed to provide students with a basic knowledge of principles of notation, basic rhythmics, singing, reading of music, and the use of the autoharp and piano as accompaniment instruments. May not be applied toward a Bachelor of Music or a Bachelor of Music Education degree.

362—**Music for Elementary Teachers II.** Four hours.
Prerequisite: MED 361.
Application of the fundamental skills of MED 361 in the study and selection of music materials and methods of presentation for the elementary school. May not be applied toward a Bachelor of Music or a Bachelor of Music Education degree.

382—**Recreational Music.** Four hours. Winter.
Prerequisites: MED 361 or consent of instructor based upon a successful proficiency examination.

Materials and techniques useful in developing recreational music activities including vocal and instrumental ensembles, rhythm bands, musical games, and community singing.

390A, 391A, 392A—**Piano Workshop.** One and one-half hours each.

A course designed to meet the needs of the piano teacher, including a survey of standard materials together with a presentation of modern teaching methods. Each year the workshop utilizes the services of a nationally known guest consultant and lecturer.

390B, 391B, 392B—**Instrumental Workshop.** One and one-half hours each.

A survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion with nationally recognized authorities in the field of instrumental music education.

390C, 391C, 392C—**Choral Workshop.** One and one-half hours each.

An examination, study, and analysis of choral techniques and procedures. A thorough study of literature in chronological order from early classics through modern and new publications. Organized and designed to meet the need of teachers now actively participating in professional work or anticipating entering the profession immediately.

390E, 391E, 392E—**Elementary Music Workshop.** One and one-half hours each.

Intensive examination of current problems, trends, and materials in the field of elementary music education, with outstanding guest consultants leading the lecture, discussion, and demonstration sessions.

421—**Senior High Methods.** Two hours. Fall.

Prerequisites: MED 311, 312, 313.

Organization and administration of music in the high school; visual aids, elective music classes, concerts and festivals, tests and measurements; development of public school music in the United States; current philosophies of music education.

422A—**Senior High Methods; Choral.** Two hours. Winter.

Prerequisite: MED 421.

Organization and administration of choral activities, voice class, small ensembles, boys glee club, girls glee club, chorus, public performances, and rehearsal techniques; materials for high school use.

422B—**Senior High Methods: Instrumental.** Two hours. Winter.

Prerequisite: MED 421.

Preparation for dealing with problems of rehearsal, instrumental ensembles, program building, evaluation of materials, and public performances.

423A-G423A—**Curriculum Problems in Music Education.** Two hours. Spring.

Prerequisite: MED 422A.

Intensive investigation of current values and trends in music education in America.

423B-G423B—**Organization & Administration of School Orchestras and Bands.** Two hours. Spring.

Prerequisite: MED 422B.

Techniques of developing and maintaining successful orchestra, bands, and instrumental ensembles; research by students; emphasis on problems of marching bands and pageantry.

424—**Instrument Repair.** Two hours.

A study of the techniques and materials necessary to perform minor repairs and adjustments on woodwind, brass, and stringed instruments.

425-G425—**Advanced Strings Methods.** Two hours each.

427-G472—**Advanced Winds Methods.** Two hours each.
Prerequisites: MED 327 and 329.
A study of basic and advanced techniques in the pedagogy of all major woodwind and brass instruments, with emphasis upon tone production.

429-G429—**Percussion Methods.** Two hours each.
Percussion texts, techniques, and pedagogy; includes presentations of snare drum, bass drum, timpani, cymbals, mallet keyboards, and accessory equipment.

431A—**Advanced Choral Conducting.** Two hours.
Prerequisites: MED 331, 332, 333 and two years of voice.
Conducting and interpretation of representative works of the great choral schools and composers since the sixteenth century; opportunities for the formation of judgment of choral music. Church chorus and sacred music studied in fall quarter.

431B—**Advanced Instrumental Conducting.** Two hours.
Prerequisites: MED 331, 332, 333, and MUS 301, 302, 303.

441-442-443—**Opera Workshop.** Two hours each.
A continuation of MED 341, 342, 343. Required of all senior voice majors.

451A-452A-453A—**Vocal Pedagogy.** Two hours each.
Comparison of pedagogical concepts; study of vocal production problems and anatomy of the vocal tract.

451B-452B-453B—**Piano Pedagogy.** Two hours each.
Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults.

451C-452C-453C—**Organ Pedagogy.** Two hours each.
Required of all senior organ majors.

451D-452D—**String Pedagogy.** Two hours each.
Required of all senior string majors.

451E, 452E, 453E—**Wind Pedagogy.** Two hours each.
Required of all senior wind majors.

455—**Strings Class.** Two hours.
Practical string instruction on violin, viola, violincello, and double bass; correct playing position for each instrument; materials for public school purposes. For music students not following the curriculum in instrumental supervision.

457—**Woodwinds Class.** Two hours.
Woodwind instruction of a practical nature on clarinet, flute, oboe, bassoon, and saxophone; advanced techniques and materials for public school purposes. For music students not following the curriculum in instrumental supervision.

459—**Brass Class.** Two hours.
Practical instruction on trumpet, French horn, baritone, trombone, and tuba. For music students not following the curriculum in instrumental supervision.

463—**Principles of Music in Action.** 4 hours. Winter and Summer.
Prerequisite: MED 362.
A further refinement in music skills designed specifically for the minor in fine arts for elementary teachers. A laboratory course in basic theory, keyboard, conducting, rhythmics, class instruments, and creative listening. May not be applied toward the Bachelor of Music or the Bachelor of Music Education degree.

490A, 491A, 492A—G490A, G491A, G492A—**Piano Workshop.** One and one-half hours each.
A continuation of MED 390A, 391A, 392A.

490B, 491B, 492B—G490B, G491B, G492B—**Instrumental Workshop.** One and one-half hours each.

A continuation of MED 390B, 391B, 392B.

490C, 491C. 492C—G490C, G491C, G492C—**Choral Workshop.** One and one-half hours each.

A continuation of MED 390C, 391C, 392C.

490E, 491E, 492E—G490E, G491E, G492E—**Elementary Music Workshop.** One and one-half hours each.

A continuation of MED 390E, 391E, 392E.

APPLIED MUSIC AND ORGANIZATIONS (APM)

First Year

101-102-103	Piano	1-3 Hrs. Each
111-112-113	Organ	1-3 Hrs. Each
121-122-123	Strings	1-3 Hrs. Each
131-132-133	Woodwinds	1-3 Hrs. Each
141-142-143	Brass	1-3 Hrs. Each
151-152-153	Percussion	1-3 Hrs. Each
161-162-163	Voice	1-3 Hrs. Each
181A-182A-183A	Orchestra	No Credit
181B-182B-183B	Band	No Credit
181C-182C-183C	Chorus	No Credit
171-172-173	Ensemble	1 Hr. Each
185A-186A-187A	Orchestra	1 Hr. Each
185B-186B-187B	Band	1 Hr. Each
185C-186C-187C	Chorus	1 Hr. Each

Second Year

201-202-203	Piano	1-3 Hrs. Each
211-212-213	Organ	1-3 Hrs. Each
221-222-223	Strings	1-3 Hrs. Each
231-232-233	Woodwinds	1-3 Hrs. Each
241-242-243	Brass	1-3 Hrs. Each
251-252-253	Percussion	1-3 Hrs. Each
261-262-263	Voice	1-3 Hrs. Each
281A-282A-283A	Orchestra	No credit
Prerequisite: 181A, 182A, 183A		
281B-282B-283B	Band	No credit
Prerequisite: 181B, 182B, 183B		
281C-282C-283C	Chorus	No credit
Prerequisite: 181C, 182C, 183C		
285A-286A-287A	Orchestra	1 Hr. Each
Prerequisite: 185A, 186A, 187A		
285B-286B-287B	Band	1 Hr. Each
Prerequisite: 185B, 186B, 187B		
285C-286C-287C	Chorus	1 Hr. Each
Prerequisite: 185C, 186C, 187C		
271-272-273	Ensemble	1 Hr. Each

Third Year

301-302-303	Piano	1-4 Hrs. Each
311-312-313	Organ	1-4 Hrs. Each
321-322-323	Strings	1-4 Hrs. Each
331-332-333	Woodwinds	1-4 Hrs. Each
341-342-343	Brass	1-4 Hrs. Each
351-352-353	Percussion	1-4 Hrs. Each
361-362-363	Voice	1-4 Hrs. Each
371-372-373	Ensemble	1 Hr. Each

Prerequisite: Junior standing in the applied music area concerned.
Instrumental ensemble in piano, strings, and winds. The study and performance of two-piano literature, and/or ensemble works for string, piano, organ, voice, woodwinds, and brasses.

315—Recital. 0 Hrs.
381A-382A-383A Orchestra — No Credit
Prerequisite: 281C, 282C, 283C
381B-382B-383B Band — No Credit
Prerequisite: 281B, 282B, 283B
381C-382C-383C Chorus — No Credit
Prerequisite: 281C, 282C, 283C
385A-386A-387A Orchestra — 1 Hr. Each
Prerequisite: 285A-286A-287A
385B-386B-387B Band — 1 Hr. Each
Prerequisite: 285B-286B-287B
385C-386C-387C Chorus — 1 Hr. Each
Prerequisite: 285C-286C-287C

Fourth Year

401-402-403	Piano	1-4 Hrs. Each
411-412-413	Organ	1-4 Hrs. Each
421-422-423	Strings	1-4 Hrs. Each
431-432-433	Woodwinds	1-4 Hrs. Each
441-442-443	Brass	1-4 Hrs. Each
451-452-453	Percussion	1-4 Hrs. Each
461-462-463	Voice	1-4 Hrs. Each
471-472-473	Advanced Ensemble	1 Hr. Each

Prerequisite: 371, 372, 373, and senior standing in the applied music area concerned.
The study of chamber music literature, with participation in public programs of chamber music.

415—Recital. — 1-3 Hrs.
481A-482A-483A Orchestra — No Credit
Prerequisite: 381A-382A-383A
481B-482B-483B Band — No Credit
Prerequisite: 381B-382B-383B
481C-482C-483C Chorus — No Credit
Prerequisite: 381C-382C-383C
485A-486A-487A Orchestra — 1 Hr. Each
Prerequisite: 385A-386A-387A
485B-486B-487B Band — 1 Hr. Each
Prerequisite: 385B-386B-387B
485C-486C-487C Chorus — 1 Hr. Each
Prerequisite: 385C-386C-387C

DEPARTMENT OF THEATRE (THE)

Gilbert Hartwig, Chairman

Martin, Zillmer

Curricula leading to the degree of Bachelor of Arts or Bachelor of Fine Arts are given below.

Students not in the field of theatre, but interested in producing musicals and operas, should take Theatre 201-203.

A minor program of twenty-eight (28) hours is also available in theatre and should be planned with the consent of the major professor.

All theatre majors must take six hours of acting.

Theatre Program Leading to the Degree of Bachelor of Arts

Freshman Year

English 101, 102, 103	4	4	4
Science	4	4	4
Social Science Core Elective		4	4
Theatre 103	4		
Allied Arts 100		4	
Public Address 101			4
Elective	4		
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
	18	18	18

Sophomore Year

English 201, 202	4	4	
Foreign Language	4	4	4
Political Science 101	4		
History 101, 102		4	4
Mathematics			4
Theatre 201, 202, 203	4	4	4
Military Science 201, 202, 203 (male students)	1	1	1
	17	17	17

Junior Year

Theatre 317, 318, 319	4	4	4
Foreign Language	4	4	4
Theatre 302	4		
Theatre 306		4	
Theatre 304			2
Elective	4	4	6
Theatre 300	1	1	1
	17	17	17

Senior Year

Theatre 435			4
Theatre 412	4		
Theatre 401		4	
Theatre 418, 420		4	4
Theatre 421, 422	4	4	
Electives	8	4	8
Theatre 300	1	1	1
	17	17	17

Theatre Program Leading to the Degree of Bachelor of Fine Arts

Freshman Year

English 101, 102, 103	4	4	4
Science	4	4	4
Social Science Core Elective		4	4
Theatre 103	4		
Allied Arts 100		4	
Public Address 101			4
Art 120	4		
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
	18	18	18

Sophomore Year

English 201, 202	4	4	
Foreign Language	4	4	4
Political Science 101	4		
History 101, 102		4	4
Mathematics			4
Theatre 201, 202, 203	4	4	4
Military Science 201, 202, 203 (male students)	1	1	1
	17	17	17

Junior Year

Theatre 317, 318, 319	4	4	4
Theatre 302	4		
Theatre 306		4	
Theatre 304			2
Theatre 413, 414	4	4	
Electives	4	4	10
Theatre 300	1	1	1
	17	17	17

Senior Year

Theatre 435			4
Theatre 412	4		
Theatre 401		4	
Theatre 418, 420		4	4
Theatre 421, 422	4	4	
Electives	8	4	8
Theatre 300	1	1	1
	17	17	17

TEACHER CERTIFICATION PROGRAM

(Leading to the degree of Bachelor of Fine Arts)

Freshman Year

English 101, 102, 103	4	4	4
Science (two quarters of physical science and two quarters of biological science)	4	4	4
Social Science Core Elective		4	4
Theatre 103	4		
Theatre 111		4	
PA 101			4
Allied Arts 100	4		
Basic College Studies 50	0		
Physical Education	1	1	1
Military Science 101, 102, 103 (male students)	1	1	1
	18	18	18

Sophomore Year

English 201, 202	4	4	
English elective			4
Science	4		
History		4	4
Theatre 201, 202, 203	4	4	4
Political Science 101	4		
Mathematics		4	
Communication Elective			4
Military Science 201, 202, 203 (male students)	1	1	1
	17	17	17

Junior Year

Theatre 317, 318, 319	4	4	4
Foreign Language	4	4	4
Theatre 302, 306, 304	4	4	2
Health 179			4
Foundations of Education 300	4		
Educational Psychology 319		4	
Human Growth and Development 332			4
	16	16	18

Senior Year

Tests and Measurements 469	4		
Theatre 421, 422	4	4	
Theatre 418		4	
Theatre 412	4		
Theatre 401		4	
Communication Electives	4	4	
Principles of Teaching in High School—CIS 313			4
Student Teaching—CIS 481M			12
	16	16	16

THEATRE COURSES (THE)

103—**Introduction to Theatre.** Four hours.
A comprehensive study of theatre as an art form, critical methods employed, elements of dramatic construction, forms and styles; development of the theatre, and major movements since 1875; contemporary American theatrical practice.

111—**Fundamentals of Oral Interpretation.** Four hours.
Study, analysis, presentation of poetry and prose for reading aloud, with emphasis upon voice analysis, and critique.

113, 114, 115—**Stage Movement and Pantomime.** One hour each.
Fundamentals of movement as it pertains to acting techniques.

201, 202, 203—**Theatre Production I, II, III.** Four hours each.
A survey of all aspects of theatre. Practical application of one area of theatre in a major University production. Recommended for high school play directors, and those desiring an over-all acquaintance with the various phases of theatrical production.

211—**Advanced Oral Interpretation.** Four hours.
Prerequisite: THE 111.
Plays, novels, and long poems arranged for public presentation.

213, 214, 215—**Stage Movement and Voice.** One hour each.
Fundamentals of the use of voice in acting.

300—**Theatre Workshop.** One hour. May be repeated for a total of six hours.
Participation in the major and graduate productions of the department.

302—**Stagecraft.** Four hours.
Both study and practical application of the techniques of building and painting stage scenery and properties.

304—**Stage Makeup.** Two hours.
Prerequisite: Consent of instructor.
Techniques of using stage makeup in the various styles and designs of theatrical presentations.

306—**Scene Design.** Four hours.
Prerequisite: THE 302 or consent of instructor.
Elements of stage design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

317, 318, 319—**History of European Theatre.** Four hours each.

Study of the development of European theatres and their literatures from the time of early Egypt to the present.

333, 334, 335—**Acting.** One hour each.

Fundamentals of representational acting techniques.

401-G401—**History and Design of Costumes.** Four hours.

Prerequisite: Consent of instructor.

Study of both historical and contemporary costume designs and their methods of construction for theatrical presentations.

412-G412—**Stage Lighting.** Four hours.

Prerequisite: Consent of instructor.

Theory and application of general and special lighting, color, instrumentation, and control.

413, 414, 415—**Acting Styles.** One hour each.

Prerequisites: THE 333, 334, 335 or equivalent.

Techniques of presentational acting styles.

416-G416—**Playwrighting.** Four hours.

Prerequisite: Consent of instructor.

Study and research in the elements of play structuring culminating in an original one-act play.

418-G418—**Directing I.** Four hours.

Prerequisite: THE 413.

Principles of stage directing.

420-G420—**Directing II.** Four hours.

Prerequisite: THE 418-G418.

Continuation of Directing I with emphasis on scene work.

421-G421, 422-G422—**History of the American Theatre.** Four hours each.

Prerequisite: THE 201 or consent of instructor.

The development of the American theatre and its literature from colonial times to the present.

425-G425—**Lyric Theatre.** Four hours.

Study of musical theatres and their literatures, together with an analysis of the various uses of music in theatrical presentation.

430-G430, 431-G431—**Summer Theatre I, II.** Four hours each.

Prerequisite: Consent of staff.

An eight-week program covering all phases of theatre production in an operating summer stock theatre. Hours must be taken concurrently.

435-G435—**Advanced Scene Design.** Four hours.

Prerequisite: THE 306 or consent of instructor.

The techniques of scene design as applied to non-realistic stage settings.

480—**Directing Children's Theatre.** Four hours.

Prerequisites: THE 376, THE 418, and consent of instructor.

The techniques of directing, organizing, and administering a children's theatre program in all phases of application. Laboratory work will include producing a full-length play for public presentation.

492—**Problems in Theatre I, II.** Two hours each.

Prerequisite: Consent of instructor.

Special research study.

SCHOOL OF HOME ECONOMICS

Sarah L. Weaver, Dean

Chichester, Dickerson, Drain, Faulkinberry, Golden, Hamman, Hesson, Humphries, Lancaster, McCarthy, Milner, Owings, Rogers, Wilgus

PURPOSE

The curricula and courses in the School of Home Economics are planned to place major emphasis on improving family life. Students are prepared to assume responsibilities in areas related to the various aspects of living concerned with the environment of the individual, the family, and the community. These areas are child development, clothing and textiles, food and nutrition, home economics education, housing and home management, and marriage and family life.

ORGANIZATION

Bachelor of Science majors are offered in child development, clothing merchandising, clothing and textiles, food and nutrition, institution management-dietetics, institution management-commercial, home economics education-teaching, home economics education-extension service, home economics in equipment, and general home economics. A two-year schedule which leads to a certificate is offered for school lunch managers.

CURRICULUM: BASIC COLLEGE AND SCHOOL CORE

The core curriculum for the Bachelor of Science degree as outlined below is to be followed by the student who pursues any major in the School of Home Economics.

English 101, 102, 103, 201, and 202 or 330 or 433	20	20
History 101, 102	8	8
Mathematics (Home Economics majors who take chemistry must take Mathematics 101)	4	4
Science	12 or 20	
Majors in institution management, home economics education, and food and nutrition must take:		
Chemistry 121, 122, 123, and Biology 101 and 103*		
Majors in child development, equipment, and general home economics must take:		
Biology 101, 103, and 220		
Clothing and textile majors must take twelve (12) hours of chemistry.		
Clothing merchandising majors may choose between twelve (12) hours of chemistry and twelve (12) hours of biology.		
Social Science**	16	16
Political Science 101		
Economics (Economics 200 required except for clothing merchandising majors who must take Economics 251)		
Sociology 103		
Psychology 201		
Other Courses	12	12
Health 179		
Public Address 101		
Art 111 instead of Art 120		
Home Economics***	18 or 18	
Home Economics Education 122****		
Food and Nutrition 137		

Food and Nutrition 285		
Clothing and Textiles 126		
Not required for institution management-commercial majors		
Child Development 139****		
Military Science (for men)	6	6
Physical Education—three quarters	3	3
Total		99 or 107

Note: Majors in institution management-commercial will have only 88 or 94 hours.

*Biology 103 not required for students who already have had bacteriology.
**Increased hour requirement of courses listed in the core.
***Required by the School of Home Economics.
****Not required of transfer students or students majoring in institution management—commercial.

RECOMMENDED SEQUENCE

Freshman Year

Course	Hours
Home Economics Education 122	2
Food and Nutrition 137	4
English 101, 102, 103	12
History 101, 102	8
Political Science 101	4
*Clothing and Textiles 126	4
Mathematics 101 or 100	4
Biology 101	4
Art 111	4
*Child Development 139	4
Physical Education—one course to be taken each quarter	3
Basic College Studies 50 (Non-credit)	0
Total	53

*Institution management-commercial majors substitute a course for these.

Sophomore Year

English 201, 202 or 330 or 433	8
Sociology 103	4
*Economics 200	4
Health 179	4
Psychology 201	4
Speech 101	4
**Biology 103	4
Food and Nutrition 285	4
Chemistry 121, 122, 123, or Biology 220	12 or 4
Requirements for minor (or electives)	4 or 12
Total	52

*Clothing merchandising majors substitute Economics 251.
**Clothing and textiles majors may substitute a course.

Core for Junior-Senior Level

All students in the junior and senior years regardless of the majors selected in the School of Home Economics are expected to take, in addition to the core plan for freshman and sophomore years, a common core of courses.

Course	Hours
*Food and Nutrition 335	4

Marriage and Family Living 351	4
**Child Development 338	4
Health 333 or HHM 334	2
Total in Core for Junior-Senior Level	14

*For majors in child development, substitute F & N 336.

**For majors in clothing and textiles, clothing merchandising, home economics in equipment, and institution management-dietetics, Child Development 139 may be substituted.

CURRICULUM MAJORS

The curriculum requirements for majors are outlined under the respective sub-titles below.

OFFERINGS FOR NON-MAJORS

Students may earn a minor in home economics by selecting twenty-eight (28) hours of work from the following courses: Child Development 139 and 338; Clothing and Textiles 126, 304, and 312; Food and Nutrition 137, 178, 262, 285, 323, 335, and 336; Housing and Home Management 305 and 482; Marriage and Family Life 151 and 351. The same courses may be selected for electives. The only prerequisite to these courses for non-majors is the necessary academic standing; courses with junior or senior numbers may not be taken by freshmen and sophomores. Non-majors who wish to substitute other courses for those named above may do so if they have had the necessary prerequisites to the courses.

A student may minor in any area in which he can major. The twenty-eight (28) hours of courses for a minor in a specialized area such as institution management should be approved by the Dean of the School of Home Economics.

CHILD DEVELOPMENT (CD)

The child development curriculum is designed to interest majors with special abilities and interests in young children. It provides opportunities to observe and work with nursery school children. Specialization in this area prepares a student for nursery school teaching and administration and for leadership in educational programs of children's institutions. Those who wish to begin study for positions in such areas as child welfare, college nursery schools, or private nursery schools should follow the curriculum in child development.

NURSERY SCHOOL

The University Nursery School was established in 1929 as a unit within the School of Home Economics to provide a laboratory in which students might observe the development and relationships of a group of normal, healthy, young children and participate in directing the various nursery school activities. The school accommodates children between the ages of three and five years. It operates on a full schedule (nine o'clock in the morning to three o'clock in the afternoon) five days per week, throughout the year.

The daily program is planned to create an environment rich in possibilities for developing the child's mental, physical, and social self as well as attaining a greater degree of emotional maturity. The enrollment is made up of an equal number of boys and girls in the various age groups from town, faculty, and student families.

The Nursery School, which was the first to be established in Mississippi, is located on the first floor of the Home Economics Building. It has ample space indoors and a large porch and fenced-in play area outdoors. In both space and equipment it meets high standards. The climate permits outdoor play the year round. Requests for registration must be filed with the Director of the Nursery School well in advance of the time the child is to be enrolled. Any child who meets the age and development requirements may qualify.

INFANT DEVELOPMENT CENTER

The Infant Development Center, the newest child development laboratory, provides learning experiences in observation and participation with children less than three years of age. Students are able to see and to work with two-year-olds in a morning play group and to help care for infants who are given all day care. This Center increases the opportunities for home economics majors to observe, study, and participate with children from babyhood through preschool years. The child development program enriches the home economics major by providing learning experiences that develop competencies in understanding infants and young children.

CHILD DEVELOPMENT

Course		Hours
Basic College Core		75
Major and School Requirements		68
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	12	
Health 333	2	
Other Requirements in Home Economics	36	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Clothing and Textiles 304	4	
Child Development 420	4	
Child Development 482	4	
Child Development 484	**6**	
Child Development 485	4	
Child Development 486	4	
Other Requirements		6
Psychology 316	4	
Housing and Home Management 334	2	
Minor Requirements	28	28
Electives	15	15
Total		**192**

CHILD DEVELOPMENT COURSES (CD)

139—**The Individual and the Family.** Four hours.
Three one-hour recitations and four hours of laboratory per week.
Not required of junior transfer students.

A functional course dealing with the student's immediate concerns regarding his family life. Special attention will be given to the development of the individual in seeing himself objectively. Experiences in the Nursery School contribute to a greater awareness of behavioral differences among individuals.

90 or 390—**Preschool Teachers' Workshop I, II, III.** One and one-half hours.
For day-care operators, nursery school teachers, and educational leaders in preschool centers.

a. **Administration of Preschool Centers.**
Good principles of administration in group programs of young children.
b. **Curriculum Planning.**
Improving programs through better administrative procedures. Good group experiences for the preschool child.
c. **Personality of the Preschool Child.**
Understanding children's behavior—or guiding personality development.
d. **Creative Activities.**
Emphasis on art for young children.
e. **Literature and Language.**
Appropriate literature for the preschool child and use of bulletin boards, flannel graphs, puppets, and other resources.

338—**Child Development.** Four hours.

Three one-hour class periods and five hours of observation and participation in the Nursery School per week.

A course designed to create interest in preschool children and to foster understanding of their development and behavior patterns. It is a study of the problems involved in guiding children toward happy, successful adulthood.

420—**Advanced Child Development.** Four hours.

440—**Infant Development.** Four hours.

Three one-hour class periods and five hours of laboratory for observation and participation in the Infant Development Center per week.

A course for students and parents concerned with the infant. Particular emphasis will be placed on acquiring understanding of infant development. Readings, class discussions, and field trips into home and group situations will apply theory to practice.

482—**The Child's Play Environment.** Four hours.

Three one-hour class periods per week, plus four hours of observation and participation in the Nursery School.

A course for students interested in studying preschool children, in developing teaching techniques, and in sharing responsibilities in the daily activities of the Nursery School.

A study of the role of play in the development of young children with emphasis upon selection, care, and use of equipment. Opportunities are provided to evaluate materials in use, to plan play activities for children, and to construct toys.

484—**Supervised Participation.** Six hours.

Prerequisite: CD 420. Hours arranged.

Directed participation as an assistant in the Nursery School for one quarter.

485—**Participation Experiences in the Infant Development Center.** Four hours. Hours arranged.

Prerequisite: CD 420.

Directed participation and responsibility for the guidance of the infants and toddlers in the Infant Development Center. Administration and parent education experiences arranged. Opportunity for study of community agencies concerned with the development and care of infants and toddlers.

486—**Creative Materials and Activities for the Preschool Child.** Four hours.

A study of creative activities (literature, art, music, nature study, etc.) for preschool children and practical experiences with these in the Nursery School.

CLOTHING AND TEXTILES (C&T)

The two curricula offered in the area of clothing and textiles are clothing and textiles and clothing merchandising.

Each curriculum offers information and experiences that will enable the student to solve more satisfactorily personal and family—or potential family—clothing and household textile problems. Professional opportunities abound in fashion, teaching, research, extension, and communications.

Clothing and textiles majors find positions mainly through work with textile, fabric, and pattern companies, consumer education jobs with manufacturers, and in writing for magazines, newspapers, radio and television, depending upon the specialized preparation and interest of the individual student. An adviser helps students select background courses for specialized areas. Some students enter the teaching field.

The clothing merchandising curriculum provides basic courses in clothing, textiles, economics, business, marketing, advertising, and field experience. With this background, it is easy for graduates to move into executive training programs offered by large department stores throughout the country. Such training programs lead into positions as buyers, training supervisors, fashion coordinators, comparison shoppers, radio and television script writers, and numerous other jobs involving some aspect of retailing.

CLOTHING AND TEXTILES

Courses	Hours
Basic College Core	79 or 79
Major and School Requirements	66 or 68
Freshman and Sophomore Home Economics Core	18
Junior and Senior Home Economics Core	14
Other Requirements in Home Economics	34 or 36
Clothing and Textiles 304	4
Clothing and Textiles 313 or 452	4
Clothing and Textiles 350	3
Clothing and Textiles 360	4
Clothing and Textiles 420	3
Clothing and Textiles 456 or 457 or 365	2 or 4
Housing and Home Management 305	4
Housing and Home Management 482	4
*Housing and Home Management 484	6
Minor Requirements	28 or 28
Electives	19 or 17
Total	192 or 192

*Young men may substitute HHM 315 for this course.

CLOTHING MERCHANDISING

Basic College Core	75
Major and School Requirements	60
Freshman and Sophomore Home Economics Core	18
Junior and Senior Home Economics Core	14
Other Requirements in Home Economics	28
Clothing and Textiles 304	4
Housing and Home Management 482	4
*Housing and Home Management 484	6
Housing and Home Management 305	4
Clothing and Textiles 365 or 457	4
Clothing and Textiles 350	3
Clothing and Textiles 312	3
Other Requirements	8
Art 107	4
Psychology 202	4
Minor—Business	32
Finance 100	4
Marketing 300	4
Marketing 330	4
Marketing 332	4
Marketing 355	4
Accounting 201	4
Accounting 202	4
One quarter or equivalent of field experiences	0
Elect 4 hours in economics, marketing, or	

accounting 4
Electives 17

Total 192

*Young men may substitute HHM 315 for this course.

CLOTHING AND TEXTILES COURSES (C&T)

126—**Fundamentals of Clothing Selection and Construction.** Four hours.

Two 1-hour periods and two 2-hour laboratory periods per week.

Application of art principles in individual wardrobe planning and buying; understanding and applying the fundamental principles of garments to a specific garment; application of construction principles to selection of ready-made garments.

304—**Art Related to the Home and Dress.** Four hours.

Three 1-hour periods and one 2-hour laboratory period per week.

Prerequisite: ART 111.

A course designed to develop an understanding of applied principles of design in clothing, clothing accessories, and exterior and interior of houses. Opportunity furnished for practical solution of personal and home design problems.

312—**Consumer Textiles.** Three hours.

A practical consumer study of textiles; the fibers, structure, design, finish, and quality of fabrics for clothing and house furnishings including selection, use, and care.

313—**Garment Selection and Wardrobe Planning.** Four hours.

Designed as an elective for home economics, marketing, business, education, and other majors.

Prerequisite: Junior status or special permission of instructor.

Selection of ready-to-wear garments on basis of need, appropriateness, aesthetic value, cost, and serviceability.

350—**Family Clothing.** Three hours.

One 1-hour period and two 2-hour laboratory periods per week.

Prerequisites: C&T 126 and 304, or equivalent.

Interpreting the problems of clothing the family in terms of the family life cycle; understanding factors affecting clothing decisions; socio-economic aspects of clothing and textiles as they affect the family members; constructing new garments for family members and utilizing old garments of good fabric through re-designing and renovating.

360—**Textiles.** Four hours.

Three 1-hour periods and one 2-hour laboratory period per week.

Prerequisites: Chemistry and junior status.

A study of the fundamental aspects of textiles: physical and chemical properties of fibers, yarn structure, weaves and fabric design, and finishes as they relate to consumer selection, use, care, and over-all satisfaction; markets and legislative consumer aids.

365—**Clothes and Cultures.** Four hours.

Prerequisite: Junior or senior status.

A study of the wearing apparel of selected cultures from ancient times to the present: structured to evolve concepts of dress as it relates to and is influenced by the climatic, social, economic, and political forces of any group of people at any given time, culminated in an evaluation of how the historic past affects the present-day fashion world and its dynamic impact on society.

420—**Tailoring.** Three hours.

One 1-hour period and two 2-hour laboratory periods per week.

Prerequisites: C&T 126 and 304 or equivalent.

Principles and techniques of tailoring applied to a suit or coat; attention given to suitability of pattern and fabric to individual, pattern and fabric to each other, cost, garment fitting, creative design details, and appropriate accessories; application of learnings to selection and evaluation of ready-made tailored garments.

452—**Textile Testing.** Four hours.

Two 1-hour and two 2-hour laboratory periods per week.

Prerequisite: C&T 312 or approval of instructor.

Testing apparel and household textile fabrics by standard ASTM and AATCC methods; interpreting and evaluating test results; application of data to better consumer understanding and practices.

456—**Textile Economics.** Two hours.

Prerequisite: C&T 312, or C&T 360 or equivalent.

A study of problems which affect the consumer in the production, distribution, and consumption of textiles and clothing. Survey of recent developments in the textile and clothing field.

457—**Fashion Fundamentals.** Four hours.

Fashion as a social force and the factors that affect and influence it. A study of the workings of the fashion world, including designers, leading markets, and fashion cycles.

FOOD AND NUTRITION (F&N)

This area provides courses in foods, nutrition, institution management-dietetics and institution management-commercial for undergraduate and graduate students in the School of Home Economics. Some of the basic courses may be elected by non-majors from other schools of the University or by those selecting minors in food and nutrition or institution management.

Students selecting food and nutrition as a major can prepare for positions in public health, extension, research, journalism, and commercial organizations. Positions as dietitians in hospitals, government services, or clinics are open to those who receive the B.S. degree with a major in institution management-dietetics. Students majoring in institution management-commercial can prepare for positions as food service administrators in restaurants, hotels, colleges, industry, school food service, and related fields.

The two majors within the institution management curriculum, institution management-dietetics and institution management-commercial, meet the academic requirements for membership in the American Dietetic Association and qualify the student for an internship approved by the association. Graduates are eligible for membership in the American School Food Service Association, National Restaurant Association, and the American Home Economics Association.

A two-year certificate course is available for school lunch managers. The School of Home Economics in cooperation with the State Department of Education sponsors an annual School Lunch Managers' Workshop.

Suggested minors are: for food and nutrition majors—chemistry or journalism; for institution management-dietetics majors—chemistry, general science, or health; and for institution management-commercial majors—chemistry, marketing, accounting, biology, economics, art, or management.

CHARCOAL ROOM

The Charcoal Room is a modern academic laboratory for institution management majors. The Charcoal Room is in the University Commons which is centrally located on the campus.

The facility provides good food of high quality in attractive surroundings for congenial association of faculty members, staff, and graduate students with their colleagues, guests, and families. It also offers an excellent stimulating experience and training center for institution management majors under the guidance of the institution management faculty.

INSTITUTION MANAGEMENT-DIETETICS

Chemistry, Health, or General Science: Minor

Basic College Core 83
Major and School Requirements 70
- Freshman and Sophomore Home Economics Core 18
- Junior and Senior Home Economics Core 10
- Other requirements in Home Economics 48
  - Food and Nutrition 394 2
  - Food and Nutrition 442 4
  - Food and Nutrition 444 4
  - Food and Nutrition 459 4
  - Food and Nutrition 476 4
  - Food and Nutrition 478 4
  - Food and Nutrition 483 6
  - Food and Nutrition 485 6
  - Clothing and Textiles 304 4
  - Housing and Home Management 482 4
- Other requirements in Home Economics 42

Requirements and the Minor 36
- Psychology 319 4
- Chemistry 251 4
- Chemistry 252 4
- Chemistry 253 4
- Biology 229 4
- Accounting 201 4
- Biology 220 4
- Management 360 4
- Personnel Management 364 or Psychology 449 4

Electives and Other Requirements for Minor 3

Total 192

INSTITUTION MANAGEMENT-COMMERCIAL

Accounting, Arts, Biology, Business Administration, Chemistry, Economics, Marketing: Minor

Basic College Core .....83 or 89
- For Women—83
- For Men—89

Major and Division Requirements 55
- Freshman and Sophomore Home Economics Core 8
- Junior and Senior Home Economics Core 14
- Other Requirements in Home Economics 33
  - Food and Nutrition 444 4
  - Food and Nutrition 394 2
  - Food and Nutrition 442 4
  - Food and Nutrition 459 4
  - Food and Nutrition 478 4
  - Food and Nutrition 483 6
  - Food and Nutrition 485 6
  - Clothing and Textiles 312 3

Other Requirements 40
- Biology 220, 229 8

Chemistry 251, 252, 253	12	
Accounting 201	4	
Finance 100	4	
Marketing 330	4	
Psychology 319	4	
Management 364 or Psychology 449	4	
*Summer Practicum	0	
Minor and Electives		14 or 8
Total		192

*Students must meet the requirements of one summer (a minimum of eight weeks) or equivalent of practical experience. This entails full-time employment on an approved job preferably in the summer between the junior and senior year.

FOOD AND NUTRITION

Chemistry or Journalism: Minor

Basic College Core		83
Major and School Requirements		60
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	28	
Food and Nutrition 442	4	
Food and Nutrition 476	4	
Food and Nutrition 478	4	
Food and Nutrition 394	2	
Clothing and Textiles 304	4	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Other Requirements		12
Chemistry 251	4	
Chemistry 252	4	
Biology 220	4	
Minor Requirements		28
Electives		9
Total		192

Two-Year Certificate Course

A two-year schedule of courses which leads to a certificate is planned for school lunch managers. The program includes general education courses as well as those designed to add to the special preparation of the individual as a school lunch manager.

Curriculum

General Education Courses	Hours
English 101, 102, 103	12
Mathematics 100	4
History (any course)	4
Psychology 201	4
Biology 101	4
Health 179	4
Art (any course)	4
Health 333, 334	4
Economics 200	4
Clothing and Textiles 312	3
Child Development 139	4
English (Literature)	4
Food and Nutrition 137	4
Food and Nutrition 285	4
Food and Nutrition 335	4

Food and Nutrition 262	4
Food and Nutrition 263	4
Food and Nutrition 264	4
Electives	17
Total	96

FOOD AND NUTRITION COURSES (F&N)

137—**Food Study.** Four hours.

Two 1-hour theory and two 2-hour laboratory periods per week.

Study of the body's need for food. Application of principles in planning, preparing, and serving simple meals.

56-156—**School Lunch Managers' Workshop: Purchasing.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Involves study of available stocks; receiving and storing practices; emphasis on inventories, storage room, and food purchasing.

57-157—**School Lunch Managers' Workshop: Planning Better School Lunches.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Emphasis on planning and serving nutritious quantity meals at minimum cost.

58-158—**School Lunch Managers' Workshop: Food Cost Control.** One and one-half hours.

Emphasis on budget break-down, records, inventories, and real cost for school lunch.

59-159—**School Lunch Managers' Workshop: Personnel Management.** One and one-half hours.

Thirty-six hours of class and laboratory work.

Emphasis on problems of personnel for school lunch.

65-165—**School Lunch Managers' Workshop: Quantity Food Preparation.** One and one-half hours.

Preparation of appetizing, nutritious, and attractive meals for the school child.

66-166—**School Lunch Managers' Workshop: School Cafeteria Equipment.** One and one-half hours.

A course designed to teach managers how to conserve time and energy through efficient arrangement, use, and care of equipment.

67-167—**School Lunch Managers' Worshop: New Developments in the School Lunch Program.** One and one-half hours.

Recent research and findings in phases related to the school cafeteria; special problems of the manager.

68-168—**School Lunch Managers' Workshop: Nutrition and the School Child.** One and one-half hours.

69-169—**School Lunch Managers' Workshop: Organization and Management of Food Services.** One and one-half hours.

Designed to give experiences in executive leadership, planning, organizing, and controlling the activities of the organization.

70-170—**School Lunch Managers' Workshop: Food Storage.** One and one-half hours.

Designed to give understanding of how to prevent the loss of food. Emphasis placed on proper temperature, ventilation, and systematic food storage.

71-171—**School Lunch Managers' Workshop: Methods and Materials in School Lunch.** One and one-half hours.

A professional, specialized course in techniques and methods necessary for training school lunch personnel and developing leadership in supervisory personnel.

72-172—**School Lunch Managers' Workshop: Work Simplifications.** One and one-half hours.

Principle of motion economy as related to use of human body in work places; application of work simplification procedure to school cafeteria problems.

178—**Food and Nutrition.** Four hours.

Two one-hour theory and two 2-hour laboratory periods per week.

Practical knowledge of nutrition and its relation to health. Application of principles in food preparation.

262—**Problems in Managing a School Cafeteria.** Four hours.

Three theory periods and one laboratory period per week.

Prerequisite: F&N 137 or 178.

Course in the organizational structure of the federal school lunch program. Emphasis placed on food cost control records and management procedures concerned with nutritional aspects of the school lunch operation at the local level. Experience in organization, equipment, and operation of food for large groups.

263—**Menu Planning, Food Preparation and Serving for the School Cafeteria.** Four hours.

Two theory and two laboratory periods per week.

Planning balanced school lunches and banquets, actual experiences in preparation and service for large groups, including lunch program.

264—**Sanitation for the School Cafeteria.** Four hours.

Three theory periods and one laboratory period per week.

Prerequisites: HTH 179 and 333, and F&N 137.

Emphasis on all phases of sanitation in school lunchrooms.

285—**Meal Planning and Table Service.** Four hours.

Prerequisite: F&N 137.

Two one-hour theory periods and two 2-hour laboratory periods per week.

Continuation of F&N 137. Emphasis on more advanced meal planning, preparation, and service; scientific principles of cookery stressed.

323—**Elementary Course in Nutrition.** Two hours.

Planned for non-home economics majors. Nutritional needs of body and proper selection of foods emphasized.

335—**Nutrition.** Four hours.

Prerequisite: F&N 285 or 178.

Intensive study of the body's need for foods, including the chemistry of digestion, care of digestive system, nutritive requirements of body during different stages of life.

336—**Child Nutrition.** Four hours.

A study of nutritive requirements of young children, with laboratory experiences in Nursery School.

346—**Teaching Food and Nutrition in the Elementary Grades.** Four hours.

Course planned to give those preparing to teach in the elementary grades some understanding of materials and methods for teaching nutrition.

394—**Food Problems.** Two hours .

A study of individual problems in food preparation. Problems developed by students in conference with instructor.

442—**Experimental Foods.** Four hours.

Two 1-hour theory periods and two 2-hour laboratory periods per week.

Prerequisite: F&N 285 and 335.

Elementary research to determine factors affecting standard products. Experimentation in preparation, ingredients, methods of cooking, temperature, and utensils used.

444 or G444—**The School Lunch.** Four hours.

One one-hour theory period and three 2-hour laboratory periods per week.

Designed to give experience in menu planning, records, food buying, and preparing and serving food on quantity level.

459 or G459—**Institution Food Purchasing.** Four hours.

Prerequisite: Junior status.

The purchase of food for institutional use, including investigation of marketing conditions, sources, standards of quality, grades, methods of purchase, care and storage of different classes of food.

476—**Diet in Disease.** Four hours.

Prerequisites: F&N 335, F&N 478, and permission of instructor.

Study of diseases influenced by diet and dietary treatment of diseases.

478—**Advanced Nutrition.** Four hours.

Prerequisites: F&N 335 and permission of instructor.

Study of current literature for new findings in field of nutrition.

483—**Quantity Food Production and Service.** Six hours.

Two one-hour theory periods and three 2-hour laboratory periods per week.
Prerequisite: F&N 285.

Emphasis on actual food preparation and serving on quantity level.

485—**Organization and Management.** Six hours.

Two one-hour theory periods and three two-hour laboratory periods weekly.

Prerequisite: F&N 483.

Organization, financial control, and personnel management for institution food departments.

HOME ECONOMICS EDUCATION (HEE)

The curricula in home economics education are planned for those who wish to be teachers of home economics education in the schools or who wish to work in the home economics extension service. Those preparing for teaching should major in home enconomics education-teaching, and those preparing for extension service in home economics education-extension service.

Students who complete the curriculum in home economics education-teaching will receive the vocational license to teach home economics education in the secondary schools of the State of Mississippi.

HOME ECONOMICS EDUCATION-TEACHING

Basic College Core	83
Major and School Requirements	63
Freshman and Sophomore Home Economics Core 18	
Junior and Senior Home Economics Core 14	
Other Requirements in Home Economics 31	
Clothing and Textiles 304 4	
Clothing and Textiles 312 3	
Clothing and Textiles 350 3	
Clothing and Textiles 420 3	
Housing and Home Management 305 4	
Housing and Home Management 315 4	
Housing and Home Management 482 4	
Housing and Home Management 484 6	
Other Requirements	6
*Housing and Home Management 334 or Health 333 2	
Biology 220 4	

Requirements in Education and Psychology		37
EPY 319	4	
EPY 332	4	
CIS 313	4	
Home Economics Education 380	4	
Home Economics Education 481	6	
Home Economics Education 482	6	
Home Economics Education 489	5	
CIF 469	4	
Electives		3
Total		192

*One of these courses is part of the Junior-Senior Core. Both must be taken.

HOME ECONOMICS EDUCATION-EXTENSION SERVICE

		Hours
Basic College Core		83
Major and School Requirements		63
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	31	
Clothing and Textiles 304	4	
Clothing and Textiles 312	3	
Clothing and Textiles 350	3	
Clothing and Textiles 420	3	
Housing and Home Management 305	4	
Housing and Home Management 315	4	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Other Requirements		6
Biology 220	4	
*Housing and Home Management 334 or Health 333	2	
Requirements in Home Economics Education		33
EPY 319	4	
EPY 332	4	
CIS 313	4	
CIS 462	2	
Home Economics Education 380	4	
Home Economics Education 485	5	
Home Economics Education 486	5	
Home Economics Education 489	5	
Electives		7
Journalism or Radio recommended	4	
Total		192

*One of these courses is part of the Junior-Senior Core. Both must be taken.

HOME ECONOMICS EDUCATION COURSES (HEE)

122—**Introduction to Home Economics.** Two hours.

A course designed to show the value of home economics in personal and family living, as well as in vocational pursuits.

380—**The Teaching of Home Economics Education.** Four hours.

Prerequisite: Junior standing in home economics.

A study of the place of home economics education in the total school program. Emphasis on organization of teaching plans and materials; opportunity for class and home experiences, and evaluation for the school home economics education program.

481-482—**Observation and Student Teaching (Participation in Teaching Home Economics Education).** Twelve hours.

Prerequisite: HEE 380.

485—**Extension Education.** Five hours.

Opportunities provided to work with state extension specialists and with the district extension leader to become acquainted with special methods in extension work.

486—**Extension Teaching and Observation.** Five hours.

Prerequisite: HEE 380.

Educational experiences in extension service program for a six-week period, or the equivalent, with a home agent. Supervision of work provided co-operatively with the University and the Agricultural Extension Service.

489—**Teaching Home Economics to Adults.** Five hours.

Prerequisite: HEE 380.

A study of the adult home economics program, including emphasis on gainful employment as provided through the Vocational Education Act of 1963. Observation of and participation in existing programs will be provided so as to help the student in the teaching of home economics to adults.

HOUSING AND HOME MANAGEMENT (HHM)

The increasing opportunities for home economists in business with utility companies and manufacturers of equipment for the home have created many positions for those with the necessary educational background. The major, home economics in equipment, is designed for those preparing for such careers.

HOME ECONOMICS IN EQUIPMENT

Basic College Core		75
Major and School Requirements		75
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	43	
Clothing and Textiles 304	4	
Clothing and Textiles 312	3	
Clothing and Textiles 420	3	
Home Economics Education 489	5	
Housing and Home Management 305	4	
Housing and Home Management 315	4	
Housing and Home Management 480	5	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Housing and Home Management 485	5	
Minor		28
Electives		14
Marketing 330 or journalism or Radio-TV-Film recommended		
Total		**192**

HOUSING AND HOME MANAGEMENT COURSES (HHM)

305—**Housing and House Furnishings.** Four hours.

Prerequisite: C&T 304.

Three one-hour periods and one 2-hour period per week.

A study of the economic and sociological problems in housing and house furnishings; house plans in relation to their influence on family life; trends in heating, plumbing, and lighting houses; selection and arrangement of house furnishings.

315—**Household Equipment.** Four hours.

Two one-hour theory and two 2-hour laboratory periods per week.

Prerequisite: F&N 285.

A study of the selection, operation, care, repair, and arrangement of appliances in the home.

334—**Home Nursing.** Two hours.
The care of the sick in the home.

480—**Field Work in Equipment.** Five hours.
Educational experiences with home economists in the Extension Service and with utility companies.

482—**Economics of the Home.** Four hours.

Problems of homemaking relating to wise use of resources. Consumer problems of the homemaker.

484—**Home Management Residence.** Six hours.

Prerequisites: F&N 335 and C&T 304 (HHM 482 prior to or concurrently).

Application of the principles of homemaking through actual participation in responsibilities of home. Care of home; the planning, preparation, and serving of meals; responsibility for baby; and social responsibilities.

485—**Home Economics in Equipment.** Five hours.

Course taken with HHM 480.

Planned experiences with home economists in power and utility companies, lecturers, and field visits. Introduction to the role of the home economist in business.

Field work for those planning to become home economists in equipment.

MARRIAGE AND FAMILY LIFE (M&FL)

Marriage today is becoming widely recognized as the most important vocation for which young people can prepare.

The primary objective of the marriage and family life curriculum is to assist college students to grow into intelligent, effective, and satisfying family members in their own homes. The vast majority of youth today marry and establish homes of their own. There is grave evidence of the need for giving intelligent and functional guidance to these young people in order that their homes can be satisfying and lasting. Although the basic emphasis of the curriculum is learning to become a good marriage partner and parent, it also qualifies the student for some avenues of employment for additional income and/or as a means of self-expression.

There is one major, general home economics, which incorporates undergraduate marriage and family life courses in the home economics core.

GENERAL HOME ECONOMICS

Basic College Core		75
Major and School Requirements		69
Freshman and Sophomore Home Economics Core	18	
Junior and Senior Home Economics Core	14	
Other Requirements in Home Economics	37	
Clothing and Textiles 304	4	
Clothing and Textiles 312	3	
Clothing and Textiles 350	3	
Clothing and Textiles 420	3	
Housing and Home Management 305	4	
Housing and Home Management 315	4	
Housing and Home Management 334	2	
Housing and Home Management 482	4	
Housing and Home Management 484	6	
Child Development 420	4	
Other Requirements		4
EPY 319	4	
Minor Requirements		28
Electives		16
Total		192

MARRIAGE AND FAMILY LIFE COURSES (M&FL)

100—**Social Competencies.** Two hours.

Open to all students.

A course designed to help the student develop competencies in social interaction.

151—**Personal Development, Dating, and Courtship.** Four hours.

Identifying student interests and problems arising out of college life; establishing satisfying relationships in intellectual, social, and emotional environment of college living; study personal social policies influencing dating and courtship.

351—**Marriage and Family Living.** Four hours.

Prerequisite: Junior or senior standing.

A course designed to give better understanding of the factors that contribute to success and happiness in marriage. Preparation for marriage; marriage adjustment; family functions and situations; factors making for successful family living.

SCHOOL OF NURSING

Mary Elizabeth C. Harkins, Dean
Bain, Balmat, Benjamin, DuPuy, Rabin, York

PURPOSE

The purpose of the School of Nursing is to educate students to become professional nurse practitioners.

HISTORY

The School of Nursing of the University of Southern Mississippi was authorized by Senate Bill 2280 of the State Legislature during the general session of 1966. Legislation was enacted in response to the need for an increase in the number of qualified professional nurse practitioners.

ADMISSION REQUIREMENTS

To apply for admission to the School of Nursing the students must meet the following requirements:

(1) Completion of at least sixty-four (64) quarter hours of credit.
(2) Completion of an overall quality point average of at least 2.0.
(3) Completion of freshmen English
(4) Completion of special school requirements:
   a. Demonstrate competency in the natural and behavioral sciences
   b. Show evidence of meeting certain health requirements
   c. Demonstrate personal and social qualities requisite to learning nursing

Admission to this program is based primarily upon a review of credentials by the members of the Admission Committee of the School of Nursing and a personal interview.

PROGRAM OF STUDY

Freshman Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
MAT 112	4	CHE 102	5	CHE 103	5
CHE 101	5	BIO 102	4	BIO 228	4
BIO 101	4	ENG 102	4	ENG 103	4
ENG 101	4	PS 101	4	PA 101	4
BCS 50	0	PE	1	PE	1
PE	1	NSG 111	1	NSG 112	1
NSG 110	1				
	19		19		19

Sophomore Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
CHE 251	4	CHE 252	4	CHE 253	4
BIO 229	4	BIO 339	4	SOC 208	4
SOC 103	4	ENG 201	4	ENG 202	4
PSY 201	4	HIS 101	4	HIS 102	4
NSG 210	1	NSG 211	1	NSG 212	1
	17		17		17

Junior Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
BIO 340	4	BIO 444	4	SOC 430	4
SOC 304	4	SOC 450	4	PSY 450	4
PSY 350	4	Fine Arts	4	PA 361	4
NSG 301	4	NSG 303	4	NSG 305	4
NSG 304	2	NSG 302	2	NSG 306	2
	18		18		18

Senior Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
BIO 382	4	PSY 481	4	NSG 405	4
HTH 333	2	NSG 403	4	NSG 406	4
MGT 360	4	NSG 404	4	Electives	8
NSG 401	6	Elective	4		
NSG 402	2				
	18		16		16

NURSING COURSES (NSG)

The courses in Nursing are taken in sequence as outlined in the catalog. Adjustments for transfers from other colleges and for graduates from associate degree and diploma programs will be made according to the ability of the individual student.

110—**Introduction to the Helping Professions.** One hour.
Two-hour laboratory period per week.
Characterizes helping situations in a society.

111—**Introduction to the Helping Professions.** One hour.
Two-hour laboratory period per week.
Emphasizes generalizations about the role of the person helped by members of the professions in promoting high-level wellness in man.

112—**Introduction to the Helping Professions.** One hour.
Two-hour laboratory period per week.
Presents generalizations about the role of the helper in professions promoting high-level wellness in man.

210—**Introduction to Nursing.** One hour.
Two-hour laboratory period per week.
Focuses on reasons a person requires nursing assistance in maximizing his potential for wellness. Introduces sources for locating nursing information and continues to stress self-awareness in observation and purposeful conversation with persons in community settings.

211—**Introduction to Nursing.** One hour.
Two-hour laboratory period per week.
Amplifies validation of components of the helping process in promoting high-level wellness, relates the helping process to the purposes of health agencies, and continues to focus on the persons in community settings.

212—**Introduction to Nursing.** One hour.
Two-hour laboratory period per week.
Adapts the helping process to nursing in health agencies and begins study of nursing process in selected situations in community health settings.

301—**Foundations of Nursing.** Four hours.
Two theory periods and two 2-hour laboratory periods per week.
Focuses on the essentially well person in all age groups. Introduces the limitations of a person's therapeutic self-care in selected situations; explores the specific roles of the nurse according to selected helping techniques and the nursing process.

302—**Introduction to Pathology of the Physiological Systems.** Two hours.

Emphasizes structural, functional, and behavioral changes in body systems manifesting disease.

303—**Foundations of Nursing.** Four hours.

Two theory periods and two 2-hour laboratory periods per week.

Focuses on the rationale for doing for a person what he cannot do for self in helping him move toward high-level wellness.

304—**Public Health Sciences.** Two hours.

Presents philosophy and history of public health and develops knowledge of the tools used in public health.

305—**Nursing to Promote and Maintain Health.** Four hours.

Two theory periods and two 2-hour laboratory periods per week.

Presents a definitive concept of nursing and emphasizes the nursing process in promoting high-level wellness in man.

306—**Introduction to Pharmacology.** Two hours.

Presents materials about drugs fundamental to nursing practice, emphasizing drug groups.

401—**Nursing in the Obstetrical Cycle.** Six hours.

Three theory periods and two 3-hour laboratory periods per week.

Focuses on the nursing process according to the needs specific to pregnancy and growth and developmental states. Uses a family community-centered approach.

402—**Obstetrical Science.** Two hours.

Uses a multi-disciplinary approach to focus on the bio-physio-psycho-social aspects of the obstetrical cycle.

403—**Nursing in Illness.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Focuses on the nursing process in instances of injury, poisoning, defect, disability, and acute illness.

404—**Nursing in Behavioral Disorders.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Uses an interdisciplinary approach in studying the nursing process in instances of behavioral aberrations.

405—**Nursing in Illness.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Focuses on the nursing process in instances of prolonged and terminal stages of illness.

406—**Community Centered Nursing.** Four hours.

Two theory periods and two 3-hour laboratory periods per week.

Builds on and strengthens the nursing process by establishing priorities for implementing the concept of family-centered nursing for a generalized health program.

NURSING

The learning experiences in the major are selected by the Nursing faculty and are designed to enable the student, upon graduation, to practice professional nursing in any setting in which organized nursing is performed. A variety of community health agencies have been designated to serve as the laboratory for learning nursing. All of the learning experiences are guided by the University faculty in Nursing.

COST

The general fees and expenses are the same for nursing students as they are for the other University students. Additional charges are made for items and activities peculiar to nursing, such as uniforms and transportation.

DIVISION OF CONTINUING EDUCATION

Paul C. Morgan, Dean

PURPOSES

The University of Southern Mississippi is cognizant of community and public needs. It accepts the challenge of assisting in these areas so far as possible within the scope of law and policy. It makes available its staff, its leadership, its facilities, and the products of its research in stimulating educational, cultural, governmental, and material growth. Such services are provided through consultations, conferences, institutes, workshops, resident centers, extension classes, correspondence study, and non-credit community service courses.

DEPARTMENT OF CORRESPONDENCE

For those who are unable to attend the University, the Department of Correspondence of the Division of Continuing Education offers at a nominal fee a number of courses which may be taken by correspondence for University credit. As many as forty-eight (48) quarter hours (no more than 12 in one academic area) of the total 192-hour baccalaureate degree requirements may be earned in such correspondence courses, subject to the provisions outlined in detail in the special issue of the University Bulletin devoted to the Division of Continuing Education.

The Department of Correspondence has a contract with the United States Armed Forces Institute of Madison, Wisconsin. Under the terms of this contract, the United States Government will pay the tuition charge of correspondence courses for members of the Armed Forces throughout the world. Additional information concerning correspondence courses for military personnel may be obtained from the 1967-1968 Bulletin of the Division of Continuing Education, or from the 1967 edition of the United States Armed Forces Institute's publication entitled, "Correspondence Courses Offered by Colleges and Universities through the United States Armed Forces Institute."

The Correspondence Department has been approved by the Veterans Administration to offer correspondence courses to veterans under the terms of the Veterans Readjustment Benefits Act of 1966. Veterans enrolling in correspondence courses under the terms of this act will be reimbursed by the Veterans Administration for the total cost of the courses enrolled in, but will not receive subsistence.

DEPARTMENT OF COMMUNITY SERVICES

In 1962, the Division of Continuing Education officially added a Department of Adult Education to serve as an administrative unit through which the University could offer non-credit courses of a special interest nature to the general public. This department was the forerunner of the present Department of Community Services.

The activities of the Department of Community Services are being gradually expanded, and currently include courses designed to appeal to the professional, cultural, and recreational interests of the adult citizens of the University community. In planning non-credit courses, an attempt is made to prevent duplication of credit courses currently offered in the University curricula.

DEPARTMENT OF CONFERENCES, INSTITUTES, AND WORKSHOPS

Conferences, institutes, and workshops have been sponsored by the University of Southern Mississippi for many years. The coordination of these activities is a responsibility of the Division of Continuing Education. This Division stands ready at all times to assist educational, professional, business, and industrial groups in setting up conferences, institutes, or workshops either on or off the University campus.

Credit may be awarded for conference, institute, or workshop attendance provided prior approval is given by the Academic Council and provided qualified instructors, consultants, and lecturers are utilized. Normally, a maximum of one and one-half quarter hours credit per week may be earned in such activities.

Conveniently located and comfortable building facilities are available on the University campus as meeting places for groups of any size. Housing in University dormitories and meals in the University Commons, all at nominal rates, are also available to individuals participating in both credit and non-credit programs. Additional conveniences include the location of motels, restaurants, and shopping centers within walking distance of the campus.

DEPARTMENT OF EXTENSION AND RESIDENT CENTERS

The function of the Department of Extension and Resident Centers is to make available, as largely as possible, to every community and individual in the state the advantages of the general equipment, educational training, and specialized information represented on the campus of the University.

Arrangements can be made to offer by extension most of the undergraduate and some of the graduate courses included in the general catalog of the University. In-service programs, running over a period of six to nine months, and short term courses, with or without credit, may also be organized through the Extension Department.

The University currently operates resident centers on Keesler Air Force Base, in the Jefferson Davis Junior College facilities at Handsboro, in the Meridian Junior College facilities, and in the Natchez-Adams County High School facilities. The academic programs of the Natchez and Keesler Air Force Base Centers include the first three years of college work, while the centers at Handsboro and Meridian offer only the third year of work in order that there may be no repitition of the courses offered by the local junior colleges.

Permanent extension centers are in operation in the Jackson County Junior College facilities at Gautier and in the Southwest Mississippi Junior College facilities at Summit.

Individuals residing in the Jackson area may enroll for credit with the Universtiy of Southern Mississippi at the Universities Center, currently located in the Science Building on the Belhaven College Campus. This is a cooperative center, offering the student a choice of credit with any of the four state institutions of higher learning.

Individuals interested in enrolling in classes at any of the resident or extension centers should contact either the center director or the Dean of Continuing Education.

ASSOCIATE DEGREE NURSING PROGRAM

The University of Southern Mississippi, through its Division of Continuing Education, offers at its Natchez Resident Center an Associate Degree Program in Nursing which prepares graduates to function with intellectual competency in administering direct nursing care in hospitals and similar institutions. Students who complete this program, based on the completion of seven quarters of work, are awarded an Associate of Science in Nursing Degree by the University and are eligible to write the Mississippi State Board Test Pool Examination for licensure as registered nurses.

The Associate Degree Nursing Program is accredited by the Board of Trustees of Institutions of Higher Learning of the State of Mississippi which is the legal accrediting agency for nursing programs in the state. Agency membership is held in the Department of Associate Degree Nursing Programs of the National League for Nursing.

The purpose of the program is the preparation of a beginning practitioner of nursing, who possesses the scientific knowledge, understanding, and fundamental skills to administer direct nursing care and to supervise other personnel in the technical aspects of nursing care under professional guidance. Instruction and facilities are provided which will enable the student to develop:

1. The ability to identify nursing problems, plan a solution, initiate appropriate action, and evalute the results.
2. The knowledge and skills necessary to establish effective interpersonal relationships.
3. The ability to think and to base action on principles rather than on techniques.
4. Sociological insights and understandings of patients as individuals and as members of a family and a community.
5. Health knowledge and skill in interpreting information for the patient and his family in helping them to formulate and secure goals of positive health.
6. The desire for continuing education, professional upgrading, and personal development.
7. An understanding of professional responsibilities and the ability to accept the role as a contributing citizen in the community.

Applicants interested in the Associate Degree Nursing Program should write to:

Miss Flora Posey, Director
Box 794
Natchez, Mississippi 39120

The program requirements are:

1. Successful completion of the required program in effect at the time of graduation.
2. Completion of the program within three years of the enrollment date. Any nursing course taken more than three years prior to graduation must be re-evaluated for possible credit.
3. Completion of the courses in nursing in the recommended sequence.
4. A grade of C or better in each course in nursing for progression during the program and for recommendation for the licensure examination.
5. Development of qualities considered by the nursing faculty to be essential for the practice of nursing. A student failing to develop these qualities may be requested to withdraw from the nursing program.

THE ASSOCIATE OF SCIENCE IN NURSING CURRICULUM

First Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
Biology 228	4	Biology 229	4	Biology 220	4
English 101	4	English 102	4	English 103	4
Fundamentals of Science 104	4	Food & Nutrition 323	2	Nursing 103	6
Nursing 00	0	Nursing 102	4	Psychology 350	4
Nursing 101	4	Psychology 201	4		
Nursing 100	2				
	18		18		18

Summer Quarter	Hrs.
Nursing 104	8

Second Year

Fall Quarter	Hrs.	Winter Quarter	Hrs.	Spring Quarter	Hrs.
Public Address 101	4	Elective*	4	History 102	4
Nursing 201	10	History 101	4	Nursing 203	10
Sociology 103	4	Nursing 202	10	Nursing 204	4
	18		18		18

*To be chosen from the Resident Center offerings with approval of the student's adviser.
Note: The curriculum may vary according to circumstances and changes in nursing.

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